



# ACIBADEM

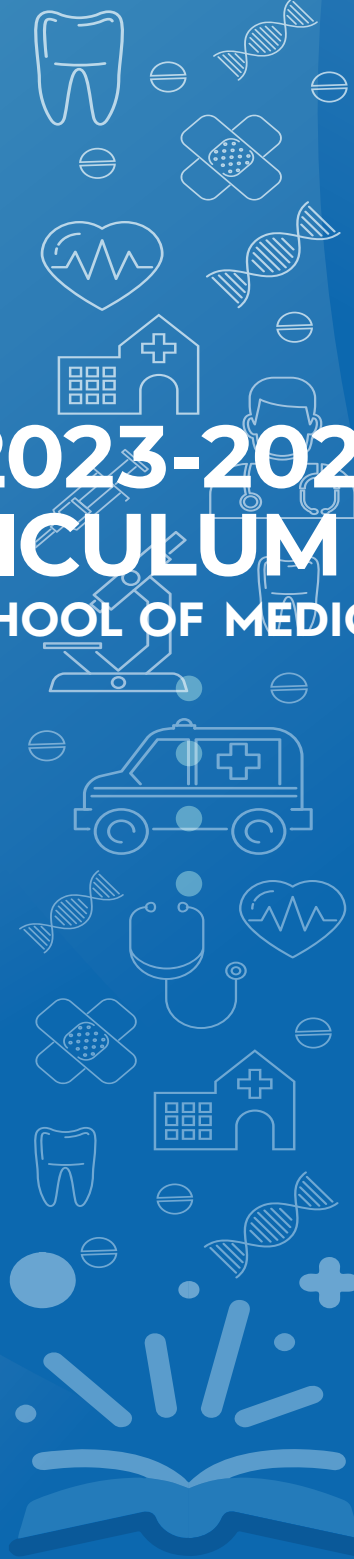
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# UNIVERSITY

## 2023-2024

# CURRICULUM BOOK

### SCHOOL OF MEDICINE







ACIBADEM  

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UNIVERSITY

*“The leaders you can trust most in life are  
science and education”*



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# ADMINISTRATIVE ORGANIZATION



**RECTOR**  
Ahmet ŞAHİN  
*M.D., Prof.*



**VICE RECTOR**  
Güldal SÜYEN  
*M.D. Ph.D., Prof.*



**VICE RECTOR**  
İrfan GÜNEY  
*Bsc., Ph.D., Prof.*



**VICE RECTOR**  
Zeynep GÜVEN  
*M.D., Prof.*



**DEAN**  
Nadi BAKIRCI  
*M.D., Ph.D., Prof.*



**VICE DEAN**  
Yeşim GÜROL  
*M.D., Prof.*



**VICE DEAN**  
Şahin ŞENAY  
*M.D., Prof.*

# ACADEMIC UNITS



**DEPARTMENTS OF  
BASIC SCIENCES**  
Serap ARBAK  
*Ph.D., Prof.*



**DEPARTMENTS OF  
MEDICAL SCIENCES**  
Zeynep GÜVEN  
*M.D., Prof.*



**DEPARTMENTS OF  
SURGICAL SCIENCES**  
Latif ABBASOĞLU  
*M.D., Prof.*

DEPARTMENTS
Anatomy
Biophysics
Biostatistics & Medical Informatics
Histology and Embryology
History of Medicine and Ethics
Medical Biochemistry
Medical Biology
Medical Education
Medical Microbiology
Physiology

DEPARTMENTS
Cardiology
Child Psychiatry
Dermatology
Family Medicine
Forensic Medicine
Infectious Diseases
Internal Medicine
Medical Genetics
Medical Pharmacology
Neurology
Nuclear Medicine
Pediatrics
Physical Medicine
Psychiatry
Pulmonary Medicine
Public Health
Radiation Oncology
Radiology

DEPARTMENTS
Anesthesiology & Reanimation
Cardiovascular Surgery
Emergency Medicine
General Surgery
Medical Pathology
Neurosurgery
Obstetrics & Gynecology
Ophthalmology
Orthopedics & Traumatology
Otorhinolaryngology
Pediatric Surgery
Plastic & Reconstructive Surgery
Thoracic Surgery
Urology

# COORDINATORS OF MEDICAL EDUCATION

## PHASE COORDINATOR (Phase I/ Year I-II-III)



**Mustafa AKTEKİN**

YEAR I



**Fehime BENLİ  
AKSUNGAR**

YEAR II



**Zeynep DURUR**

YEAR III



**Sinem ÖKTEM  
OKULLU**

## STUDENT CENTERED LEARNING

### ACTIVITIES COORDINATOR



**Meltem KOLGAZİ**



**Deniz YÜCEL**



**Hande  
YAYIRLAR**



**Cem SUNGUR**

## MEDICAL ENGLISH COURSES

### COORDINATORS



**Pinar  
TOPSEVER**



**Sesin  
KOCAGÖZ**

## CLINICAL MEDICINE and PROFESSIONAL SKILLS (CMPS) PROGRAM COORDINATORS



**Pinar  
TOPSEVER**



**Figen  
DEMİR**

## ELECTIVES IN MEDICINE (EMED) PROGRAM COORDINATORS



**Levent  
ALTINTAŞ**



**Fatih ARTVİNLİ**



**Emel TİMÜÇİN**

## COORDINATOR of INTERNATIONAL MOBILITY



**Pinar  
TOPSEVER**



**Özgür  
KURT**



**Ali Rıza C.  
ÇELEBİ**

## PHASE COORDINATOR (Phase II-III/Year IV-V-VI)



**İşil PAKİÇ**



**Demet DİNÇ**

## Phase II/III CLINICAL EDUCATION COORDINATORS



**Bilgi BACA**



**Serdar BEKEN**



**Sevgi ŞAHİN**

## COORDINATOR of SIMULATED CLINICAL SKILLS TRAINING



**Dilek KİTAPÇIOĞLU**



# ACIBADEM UNIVERSITY SCHOOL OF MEDICINE COORDINATORS OF MEDICAL EDUCATION (2023-2024)

YEAR 1 Biomedical Subject Committee (BSC) Chairs	YEAR 2 Biomedical Subject Committee (BSC) Chairs	YEAR 3 Biomedical Subject Committee (BSC) Chairs	YEAR 4 Clerkship Chairs	YEAR 5 Clerkship Chairs	YEAR 6 Internship Chairs
<b>Molecular and Cellular Medicine-I</b> Özden HATIRNAZ NG	<b>Microorganisms and Infection</b> Emel BALOĞLU	<b>Cardiovascular System &amp; Related Diseases</b> Devrim ÖZARSLAN	<b>Transition to Clinical Clerkship (TCC)</b> Dilek KİTAPÇIOĞLU Demet DİNÇ	<b>Neurology</b> Yıldız KAYA Erkan ACAR	<b>Internal Medicine</b> Sevgi SAHİN İbrahim YILDIZ Suna YAPALI
<b>Molecular and Cellular Medicine-II</b> Deniz YÜCEL	<b>Musculoskeletal System &amp; Related Disorders</b> Elif Nedret KESKİNÖZ	<b>Respiratory System &amp; Related Disorders</b> Meltem KOLGAZİ	<b>Internal Medicine</b> İnan ANAFOROĞLU Özge GÜMÜŞAY Leyla ÖZER	<b>Neurosurgery</b> Mustafa GÜDÜK	<b>General Surgery</b> Volkan ÖZBEN Halil KARA
<b>Blood and Immunity</b> Merve AÇIKEL ELMAS	<b>Nervous System and Related Diseases</b> Neval YURTTUTAN UYAR	<b>Gastrointestinal System &amp; Related Disorders</b> Hande YAPISLAR	<b>Surgery</b> Bilgi BACA Akif Enes ARIKAN Tonguç Utku YILMAZ	<b>Psychiatry</b> Burcu YAVUZ GÖKSAN Ürün ÖZER AĞIRBAŞ	<b>Pediatrics</b> Burcu BULUM Tarkan İKİZOĞLU Baran ARCAGÖK
	<b>Growth, Development &amp; Endocrine Disorders</b> Nihan ÜNÜBOL	<b>Urogenital System &amp; Related Disorders</b> Mehmet ERGEN	<b>Obstetrics and Gynecology</b> Belgin SELAM Turgut AYDIN Özgüç TAKIMAZ	<b>Ophthalmology</b> Ayşe Ebru KILAVUZOĞLU Ali Rıza Cenk ÇELEBİ	<b>Obstetrics &amp; Gynecology</b> Serkan ERKANLI Suat DEDE Emine KARABÜK
<b>YEAR 1 CMPS Course Chairs</b>	<b>YEAR 2 CMPS Course Chairs</b>	<b>YEAR 3 CMPS Course Chairs</b>	<b>Pediatrics and Pediatric Surgery</b> Burak TANDER Serdar BEKEN Özlem AKGÜN DOĞAN Selma AKTAŞ Saygın ABALI	<b>Dermatology</b> Dilek BİYİK ÖZKAYA Deniz DEMİRÇIOĞLU	<b>Psychiatry</b> Barış SANCAK
<b>Research in Health-I</b> Figen DEMİR	<b>Research in Health-II</b> Pinar TOPSEVER Figen DEMİR	<b>Evidence Based Medicine</b> Pinar TOPSEVER Figen DEMİR	<b>Orthopedics &amp; Traumatology &amp; PMR</b> Emrullah HAYTA İşıl Fazilet KARTALOĞLU Kerim SARIYILMAZ Gökhan KARADEMİR	<b>Community Health &amp; Primary Care</b> Pinar TOPSEVER Yeşim YASIN	<b>Emergency Medicine</b> Kamil KAVAYURT Cem GÜN Hasan ALDINÇ
<b>Medical Ethics and Humanities-I</b> Yeşim İşıl ÜLMAN	<b>Medical Ethics and Humanities-II</b> Yeşim İşıl ÜLMAN	<b>Health and Society-II</b> Yeşim YASIN	<b>Cardiovascular Medicine</b> Bahar TEMUR Ender ÇAKIMAK	<b>Forensic Medicine</b> İşıl PAKIŞ	<b>Simulated Clinical Practice</b> Dilek KİTAPÇIOĞLU
<b>Communication Skills</b> Pinar TOPSEVER Dilek KİTAPÇIOĞLU Şirin PARKAN	<b>Health and Society-I</b> Yeşim YASIN				

COURSE CATEGORIES		COURSES			
YEAR 1	Integrated Medical Courses	MED 111 MOLECULAR AND MEDICINE-I	MED 113 MOLECULAR AND MEDICINE-II	MED 116 BLOOD-IMMUNITY AND CANCER	
	BIOMEDICAL SUBJECT COMMITTEES				
	CLINICAL MEDICINE and PROFESSIONAL SKILLS	MED 121 RESEARCH IN HEALTH	MED 123 MEDICAL ETHICS AND HUMANITIES	MED 125 COMMUNICATION SKILLS	MED 122 HEALTH AND SOCIETY- I
	COMPLEMENTARY MEDICAL COURSES	MED 131 BIOSTATISTICS	MED 132 BIOINFORMATICS	MED 133-MED 134 MEDICAL ENGLISH	EMED 101 ELECTIVES IN MEDICINE-I
COMMON COURSES	HISTORY OF REVOLUTION	TURKISH LANGUAGE AND LITERATURE	ELE 197-198 ELECTIVE COURSES I-II		

YEAR 2	Integrated Medical Courses	MED 213 MUSCULOSKELETAL SYSTEM AND RELATED DISORDERS	MED 211 MICROORGANISMS AND INFECTION	MED 212 NERVOUS SYSTEM AND RELATED DISEASES	MED 214 GROWTH DEVELOPMENT AND ENDOCRINE DISORDERS
	BIOMEDICAL SUBJECT COMMITTEES				
	CLINICAL MEDICINE and PROFESSIONAL SKILLS	MED 221 RESEARCH IN HEALTH-II		MED 222 MEDICAL ETHICS AND HUMANITIES-II	
	COMPLEMENTARY MEDICAL COURSES	EMED 201-202 ELECTIVES IN MEDICINE-II-III		MED 233-234 MEDICAL ENGLISH-III-IV	
COMMON COURSES	COMMON ELECTIVE COURSES				

YEAR 3	Integrated Medical Courses	MED 311 CARDIOVASCULAR SYSTEM AND RELATED DISORDERS	MED 313 RESPIRATORY SYSTEM AND RELATED DISORDERS	MED 315 GASTROINTESTINAL SYSTEM AND RELATED DISORDERS	MED 312 UROGENITAL SYSTEM AND RELATED DISORDERS
	BIOMEDICAL SUBJECT COMMITTEES				
	CLINICAL MEDICINE and PROFESSIONAL SKILLS	MED 321 EVIDENCE BASED MEDICINE		MED 323 HEALTH AND SOCIETY II	
COMPLEMENTARY MEDICAL COURSES	EMED 301-302 ELECTIVES IN MEDICINE				

YEAR 4	MED 407 TCC	MED 401 INTERNAL MEDICINE	MED 403 PEDIATRICS AND PEDIATRIC SURGERY	MED 404 OBSTETRICS AND GYNECOLOGY	MED 405 CARDIOVASCULAR MEDICINE	MED 406 SURGERY	MED 4001 ELECTIVE SURGICAL SCIENCES
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YEAR 5	MED 501 NEUROLOGY	MED 502 NEUROSURGERY	MED 503 PSYCHIATRY	MED 504 OTOLARYNGOLOGY, HEAD AND NECK SURGERY	MED 505 OPHTHALMOLOGY	MED 506 DERMATOLOGY	MED 508 ORTHOPEDICS / PHYSICAL MEDICINE AND REHABILITATION	MED 509 FORENSIC MEDICINE	MED 511 UROLOGY	MED 5000 ELECTIVE CLERKSHIP-1	MED 5001 ELECTIVE CLERKSHIP-2
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YEAR 6	MED 601 INTERNAL MEDICINE	MED 602 GENERAL SURGERY	MED 603 PEDIATRICS	MED 604 OBSTETRICS AND GYNECOLOGY	MED 605 PSYCHIATRY	MED 606 COMMUNITY HEALTH AND PRIMARY CARE	MED 607 EMERGENCY MEDICINE	MED 608 SIMULATED CLINICAL PRACTICE	MED 6000 ELECTIVE CLERKSHIP-1	MED 6001 ELECTIVE CLERKSHIP-2
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# ACADEMIC CALENDAR 2023-2024



# YEAR I

## FALL SEMESTER

Sep 25, 2023 – Jan 26, 2024

### Biomedical Subject Committees (BSC)

MED 111 - Molecular and Cellular Medicine-I  
MED 113 - Molecular and Cellular Medicine-II

### Clinical Medicine and Professional Skills (CMPS)

MED 121 - Research in Health  
MED 123 - Medical Ethics and Humanities-I

### Complementary Medical Courses (CMC)

MED 131 - Biostatistics  
MED 133 - Medical English-I

### Common Courses

ATA 101 - Atatürk Principles and History of Revolution-I  
TUR 101 - Turkish Language -I  
ACU 1001 - Elective Course

*Course Registration Dates (for CMC and Common Courses) Sep 25- Oct 6, 2023*  
*Add Drop Dates (for Common Courses) Oct 10-13, 2023*

## EXAMINATION DATES

### Complementary Medical Courses (CMC)

Final Examination Week Jan 15-26, 2024  
Retake Examination Week Feb 5-7, 2024

### Common Courses

Final Examination Week Jan 15-26, 2024  
Retake Examination Week Feb 5-7, 2024

**Midyear Recess** Jan 29 - Feb 9, 2024

## SPRING SEMESTER

Feb 12, 2024 – June 7, 2024

### Biomedical Subject Committees (BSC)

MED 116 – Blood, Immunity and Cancer

### Clinical Medicine and Professional Skills (CMPS)

MED 122 - Health and Society-I  
MED 124 - Communication Skills

### Complementary Medical Courses (CMC)

MED 132 - Bioinformatics  
MED 134 - Medical English-II  
EMED 101- Electives in Medicine -I

### Common Courses

ATA 102 - Atatürk Principles and History of Revolution-I  
TUR 102 - Turkish Language -I  
ACU 1002 - Elective Course

*Course Registration Dates (for CMC and Common Courses) Feb 12-23, 2024*  
*Add Drop Dates (for Common Courses) Feb 19-23, 2024*

## EXAMINATION DATES

### Biomedical Subject Committees (BSC)

Final Examination Week July 10, 2024  
Retake Examination Week August 7, 2024

### Clinical Medicine and Professional Skills (CMPS)

Final Examination Week July 11, 2024  
Retake Examination Week August 8, 2024

### Complementary Medical Courses (CMC)

Final Examination Week June 3-14, 2024  
Retake Examination Week July 1-3, 2024

### Common Courses

Final Examination Week June 3-14, 2024  
Retake Examination Week July 1-3, 2024

# YEAR II

## FALL SEMESTER

Sep 25, 2023 – Jan 26, 2024

### Biomedical Subject Committees (BSC)

MED 211 – Microorganism and Infection

MED 213 - Musculoskeletal System and Related Disorders

### Clinical Medicine and Professional Skills (CMPS)

MED 221 – Research in Health - II

### Complementary Medical Courses (CMC)

EMED 201 - Electives in Medicine –II

MED 233 - Medical English-III

### Common Courses

ACU 1002 - Elective Course

*Course Registration Dates (for CMC and Common Courses) Sep 25- Oct 6, 2023*

*Add Drop Dates (for Common Courses) Oct 10-13, 2023*

## EXAMINATION DATES

### Complementary Medical Courses (CMC)

Final Examination Week Jan 8-19, 2024

Retake Examination Week Jan 29-31, 2024

### Common Courses

Final Examination Week Jan 8-19, 2024

Retake Examination Week Jan 29-31, 2024

**Midyear Recess** Jan 29 - Feb 9, 2024

## SPRING SEMESTER

Feb 12, 2024 – June 7, 2024

### Biomedical Subject Committees (BSC)

MED 212 – Nervous System and Related Disorders

MED 214 – Growth, Development and Endocrine Disorders

### Clinical Medicine and Professional Skills (CMPS)

MED 222- Medical Ethics and Humanities-II

### Complementary Medical Courses (CMC)

EMED 202– Electives in Medicine-III

MED 234 - Medical English-IV

### Common Courses

ACU 1002 - Elective Course

*Course Registration Dates (for CMC and Common Courses) Feb 12-23, 2024*

*Add Drop Dates (for Common Courses) Feb 19-23, 2024*

## EXAMINATION DATES

### Biomedical Subject Committees (BSC)

Final Examination Week July 8, 2024

Retake Examination Week August 5, 2024

### Clinical Medicine and Professional Skills (CMPS)

Final Examination Week July 9, 2024

Retake Examination Week August 6, 2024

### Complementary Medical Courses (CMC)

Final Examination Week June 3-14, 2024

Retake Examination Week July 1-3, 2024

### Common Courses

Final Examination Week June 3-14, 2024

Retake Examination Week July 1-3, 2024

# YEAR III

## FALL SEMESTER

Sep 25, 2023 – Jan 26, 2024

### Biomedical Subject Committees (BSC)

MED 311 - Cardiovascular System and Related Disorders

MED 313 – Respiratory System and Related Disorders

MED 315 – Gastrointestinal System and Related Disorders

### Clinical Medicine and Professional Skills (CMPS)

MED 321 – Evidence Based Medicine

### Complementary Medical Courses (CMC)

EMED 301 - Electives in Medicine –IV

*Course Registration Dates (for CMC) Sep 25- Oct 6, 2023*

## EXAMINATION DATES

### Complementary Medical Courses (CMC)

Final Examination Week Jan 8-19, 2024

Retake Examination Week Jan 29-31, 2024

**Midyear Recess** Jan 29 - Feb 9, 2024

## SPRING SEMESTER

Feb 12, 2024 – June 7, 2024

### Biomedical Subject Committees (BSC)

MED 312 - Urogenital System and Related Disorders

### Clinical Medicine and Professional Skills (CMPS)

MED 323 – Health and Society-II

### Complementary Medical Courses (CMC)

EMED 202– Electives in Medicine-III

MED 234 - Medical English-IV

### Common Courses

ACU 1002 - Elective Course

*Course Registration Dates (for CMC) Feb 12-23, 2024*

## EXAMINATION DATES

### Biomedical Subject Committees (BSC)

Final Examination Week May 13, 2024

Retake Examination Week June 10, 2024

### Clinical Medicine and Professional Skills (CMPS)

Final Examination Week May 14, 2024

Retake Examination Week June 11, 2024

# YEAR IV

Group A		Dates
MED 407	Transition to Clinical Clerkship (TCC)	28.08.2023-22.09.2023
MED 401	Internal Medicine	25.09.2023-01.12.2023
MED 403	Pediatrics	04.12.2023-09.02.2024
MED 405	Cardiovascular Medicine	26.02.2024-22.03.2024
MED 404	Obstetrics and Gynecology	25.03.2024-03.05.2024
MED 406	Surgery	06.05.2024-14.06.2024
MED 4001	Electives for Surgical Sciences (ESS)	17.06.2024-28.06.2024
Group B		Dates
MED 407	Transition to Clinical Clerkship (TCC)	28.08.2023-22.09.2023
MED 403	Pediatrics	25.09.2023-01.12.2023
MED 401	Internal Medicine	04.12.2023-09.02.2024
MED 406	Surgery	26.02.2024-05.04.2024
MED 4001	Electives for Surgical Sciences (ESS)	08.04.2024-19.04.2024
MED 405	Cardiovascular Medicine	22.04.2024-17.05.2024
MED 404	Obstetrics and Gynecology	20.05.2024-28.06.2024
Group C		Dates
MED 407	Transition to Clinical Clerkship (TCC)	28.08.2023-22.09.2023
MED 404	Obstetrics and Gynecology	25.09.2023-03.11.2023
MED 405	Cardiovascular Medicine	06.11.2023-01.12.2023
MED 406	Surgery	04.12.2023-12.01.2024
MED 4001	Electives for Surgical Sciences (ESS)	15.01.2024-26.01.2024
MED 401	Internal Medicine	12.02.2024-19.04.2024
MED 403	Pediatrics	22.04.2024-28.06.2024
Group D		Dates
MED 407	Transition to Clinical Clerkship (TCC)	28.08.2023-22.09.2023
MED 406	Surgery	25.09.2023-03.11.2023
MED 4001	Electives for Surgical Sciences (ESS)	06.11.2023-17.11.2023
MED 404	Obstetrics and Gynecology	20.11.2023-29.12.2023
MED 405	Cardiovascular Medicine	02.01.2024-26.01.2024
MED 403	Pediatrics	12.02.2024-19.04.2024
MED 401	Internal Medicine	22.04.2024-28.06.2024

# YEAR V

Group A		Dates
MED 5000	Elective Clerkship -1	28.08.2023-22.09.2023
MED 508	Orthopedics and Traumatology /Physical Medicine and Rehabilitation	02.10.2023-03.11.2023
MED 501	Neurology	06.11.2023-01.12.2023
MED 502	Neurosurgery	04.12.2023-22.12.2023
MED 506	Dermatology	25.12.2023-12.01.2024
MED 509	Forensic Medicine	15.01.2024-26.01.2024
MED 511	Urology	12.02.2024-01.03.2024
MED 503	Psychiatry	04.03.2024-22.03.2024
MED 505	Ophthalmology	01.04.2024-12.04.2024
MED 504	Otolaryngology Head and Neck Surgery	15.04.2024-03.05.2024
MED 5001	Elective Clerkship - 2	06.05.2024-14.06.2024
Group B		Dates
MED 5000	Elective Clerkship -1	28.08.2023-22.09.2023
MED 504	Otolaryngology Head and Neck Surgery	25.09.2023-13.10.2023
MED 506	Dermatology	16.10.2023-03.11.2023
MED 511	Urology	06.11.2023-24.11.2023
MED 505	Ophthalmology	27.11.2023-08.12.2023
MED 508	Orthopedics and Traumatology /Physical Medicine and Rehabilitation	11.12.2023-12.01.2024
MED 509	Forensic Medicine	15.01.2024-26.01.2024
MED 501	Neurology	12.02.2024-08.03.2024
MED 502	Neurosurgery	11.03.2024-29.03.2024
MED 503	Psychiatry	01.04.2024-19.04.2024
MED 5001	Elective Clerkship - 2	06.05.2024-14.06.2024
Group C		Dates
MED 5000	Elective Clerkship -1	28.08.2023-22.09.2023
MED 511	Urology	25.09.2023-13.10.2023
MED 504	Otolaryngology Head and Neck Surgery	16.10.2023-03.11.2023
MED 503	Psychiatry	06.11.2023-24.11.2023
MED 506	Dermatology	27.11.2023-15.12.2023
MED 505	Ophthalmology	18.12.2023-29.12.2023
MED 509	Forensic Medicine	15.01.2024-26.01.2024
MED 508	Orthopedics and Traumatology /Physical Medicine and Rehabilitation	12.02.2024-15.03.2024
MED 501	Neurology	18.03.2024-12.04.2024
MED 502	Neurosurgery	15.04.2024-03.05.2024
MED 5001	Elective Clerkship - 2	06.05.2024-14.06.2024



Group D		Dates
MED 508	Orthopedics and Traumatology /Physical Medicine and Rehabilitation	28.08.2023-29.09.2023
MED 505	Ophthalmology	02.10.2023-13.10.2023
MED 503	Psychiatry	16.10.2023-03.11.2023
MED 504	Otolaryngology Head and Neck Surgery	06.11.2023-24.11.2023
MED 511	Urology	27.11.2023-15.12.2023
MED 501	Neurology	18.12.2023-12.01.2024
MED 509	Forensic Medicine	29.01.2024-09.02.2024
MED 502	Neurosurgery	12.02.2024-01.03.2024
MED 506	Dermatology	04.03.2024-22.03.2024
MED 5000	Elective Clerkship -1	08.04.2024-03.05.2024
MED 5001	Elective Clerkship - 2	06.05.2024-14.06.2024
Group E		Dates
MED 501	Neurology	28.08.2023-22.09.2023
MED 502	Neurosurgery	25.09.2023-13.10.2023
MED 511	Urology	16.10.2023-03.11.2023
MED 508	Orthopedics and Traumatology /Physical Medicine and Rehabilitation	06.11.2023-08.12.2023
MED 503	Psychiatry	11.12.2023-29.12.2023
MED 505	Ophthalmology	2.01.2024-12.01.2024
MED 509	Forensic Medicine	29.01.2024-09.02.2024
MED 506	Dermatology	12.02.2024-01.03.2024
MED 504	Otolaryngology Head and Neck Surgery	04.03.2024-22.03.2024
MED 5000	Elective Clerkship -1	08.04.2024-03.05.2024
MED 5001	Elective Clerkship - 2	06.05.2024-14.06.2024
Group F		Dates
MED 511	Urology	28.08.2023-15.09.2023
MED 506	Dermatology	18.09.2023-06.10.2023
MED 501	Neurology	09.10.2023-03.11.2023
MED 502	Neurosurgery	06.11.2023-24.11.2023
MED 504	Otolaryngology Head and Neck Surgery	27.11.2023-15.12.2023
MED 5000	Elective Clerkship -1	18.12.2023-12.01.2024
MED 509	Forensic Medicine	29.01.2024-09.02.2024
MED 503	Psychiatry	12.02.2024-01.03.2024
MED 505	Ophthalmology	04.03.2024-15.03.2024
MED 508	Orthopedics and Traumatology /Physical Medicine and Rehabilitation	18.03.2024-19.04.2024
MED 5001	Elective Clerkship - 2	06.05.2024-14.06.2024

# YEAR VI

Group A		Dates
MED 604	Obstetrics and Gynecology	03.07.2023-30.07.2023
MED 608	Simulated Clinical Practice	31.07.2023-06.08.2023
MED 603	Pediatrics	07.08.2023-01.10.2023
MED 606	Community Health and Primary Care	02.10.2023-26.11.2023
MED 607	Emergency Medicine	27.11.2023-21.01.2024
MED 605	Psychiatry	22.01.2024-11.02.2024
MED 602	General Surgery	12.02.2024-10.03.2024
MED 601	Internal Medicine	11.03.2024-05.05.2024
MED 6001	Elective Internship-1	06.05.2024-02.06.2024
MED 6002	Elective Internship -2	03.06.2024-30.06.2024
Group B		Dates
MED 605	Psychiatry	03.07.2023-23.07.2023
MED 608	Simulated Clinical Practice	24.07.2023-30.07.2023
MED 606	Community Health and Primary Care	31.07.2023-24.09.2023
MED 604	Obstetrics and Gynecology	25.09.2023-22.10.2023
MED 603	Pediatrics	23.10.2023-17.12.2023
MED 601	Internal Medicine	18.12.2023-11.02.2024
MED 607	Emergency Medicine	12.02.2024-07.04.2024
MED 602	General Surgery	08.04.2024-05.05.2024
MED 6001	Elective Internship-1	06.05.2024-02.06.2024
MED 6002	Elective Internship -2	03.06.2024-30.06.2024
Group C		Dates
MED 608	Simulated Clinical Practice	03.07.2023-09.07.2023
MED 607	Emergency Medicine	10.07.2023-03.09.2023
MED 602	General Surgery	04.09.2023-01.10.2023
MED 601	Internal Medicine	02.10.2023-26.11.2023
MED 604	Obstetrics and Gynecology	27.11.2023-24.12.2023
MED 605	Psychiatry	25.12.2023-14.01.2024
MED 603	Pediatrics	15.01.2024-10.03.2024
MED 606	Community Health and Primary Care	11.03.2024-05.05.2024
MED 6001	Elective Internship-1	06.05.2024-02.06.2024
MED 6002	Elective Internship -2	03.06.2024-30.06.2024

Group D		Dates
MED 601	Internal Medicine	03.07.2023-27.08.2023
MED 604	Obstetrics and Gynecology	28.08.2023-24.09.2023
MED 608	Simulated Clinical Practice	25.09.2023-01.10.2023
MED 607	Emergency Medicine	02.10.2023-26.11.2023
MED 602	General Surgery	27.11.2023-24.12.2023
MED 606	Community Health and Primary Care	25.12.2023-18.02.2024
MED 605	Psychiatry	19.02.2024-10.03.2024
MED 603	Pediatrics	11.03.2024-05.05.2024
MED 6001	Elective Internship-1	06.05.2024-02.06.2024
MED 6002	Elective Internship -2	03.06.2024-30.06.2024



## EXAM DATES



### FALL SEMESTER EXAM DATES

YEAR I			YEAR II			YEAR III		
EXAM	DATES	HOURS	EXAM	DATES	HOURS	EXAM	DATES	HOURS
MED 111 Theoretical Examination I	16.10.2023	11:00-12:30	MED 213 Practical Examination I	06.11.2023	10:10-11:40	MED 311 Theoretical Examination I	20.11.2023	14:20-15:50
MED 111 Theoretical Examination II	15.11.2023	14:20-15:50	MED 213 Theoretical Examination I	06.11.2023	14:20-15:50	MED 311 Theoretical Examination II	8.12.2023	10:10-11:40
MED 113 Theoretical Examination I	18.12.2023	14:20-15:50	MED 213 Practical Examination II	08.12.2023	11:00-12:30	MED 313 Theoretical Examination I	27.10.2023	10:10-11:40
MED 113 Midterm Examination II	23.01.2024	14:20-15:50	MED 213 Theoretical Examination II	08.12.2023	13:30-15:00	MED 315 Theoretical Examination I	5.01.2024	11:00-12:30
MED 131 Midterm Exam	16.11.2023	13:30-15:50	MED 211 Practical Examination	22.01.2024	13:30-15:50	MED 315 Practical Examination I	05.01.2024	14:20-15:50
MED 131 Final Examination	18.01.2024	13:30-15:50	MED 211 Theoretical Examination	25.01.2024	14:20-15:50	MED 315 Theoretical Examination II	26.01.2024	14:20-15:50
MED 121 CMPS/RinH-I	25.01.2024	11:50-12:30	MED 221 CMPS/RinH-II	05.12.2023	09:20-10:00			
MED 123 CMPS/ME&H	14.12.2023	11:00-12:30	MED 233 Midterm Exam	07.11.2023	13:30-15:50			
MED 133 Midterm Exam	03.11.2023	09:20-11:40	MED 233 Final Exam	16.01.2024	13:30-15:00			
MED 133 Final Exam	12.01.2024	09:20-11:40						
MED 133 Resit Exam	19.01.2024	09:20-11:40						

### SPRING SEMESTER EXAM DATES

YEAR I			YEAR II			YEAR III		
EXAM	DATES	HOURS	EXAM	DATES	HOURS	EXAM	DATES	HOURS
MED 116 Theoretical Examination I	20.03.2024	09:20-10:50	MED 212 Practical Examination I	20.03.2024	11:00-12:30	MED 312 Theoretical Examination I	8.03.2024	14:20-15:50
MED 116 Theoretical Examination II	02.05.2024	09:20-10:50	MED 212 Theoretical Examination I	21.03.2024	14:20-15:50	MED 312 Practical Examination	5.04.2024	11:00-12:30
MED 116 Theoretical Examination III	3.06.2024	14:20-15:50	MED 212 Theoretical Examination II	8.05.2024	11:00-12:30	MED 312 Theoretical Examination II	05.04.2024	14:20-15:50
MED 132 Midterm Examination	18.04.2024	13:30-15:50	MED 214 Theoretical Examination	13.06.2024	13:30-15:00	BSC FINAL EXAM	13.05.2024	10:00-16:00
MED 132 Final Examination	06.06.204	13:30-15:50	MED 222 CMPS/ME&H-II	14.05.2024	11:50-12:30	BSC MAKE-UP EXAM	10.06.2024	10:00-16:00
MED 122 CMPS/H&S	4.04.2024	11:50-12:30	MED 234 Midterm Exam	16.04.204	13:30-15:50	CMPS Final	14.05.2024	10:00-16:00
MED 134 Midterm Exam	05.04.2024	09:20-11:40	MED 234 Final Exam	11.06.2024	13:30-15:00	CMPS Makeup	11.06.2024	10:00-16:00
MED 134 Final Exam	07.06.2024	09:20-11:40	BSC FINAL EXAM	8.07.2024	10:00-16:00			
BSC FINAL EXAM	10.07.2024	10:00-16:00	BSC MAKE-UP EXAM	5.08.2024	10:00-16:00			
BSC MAKE-UP EXAM	07.08.2024	10:00-16:00	CMPS Final	9.07.2024	10:00-16:00			
CMPS FINAL EXAM	11.07.2024	10:00-16:00	CMPS MAKE-UP EXAM	06.08.2024	10:00-16:00			
CMPS MAKE-UP EXAM	8.08.2024	10:00-16:00						



YEAR

I



## YEAR I - COURSES (2023-2024)

COURSE CATEGORY	CODE	COURSE NAME	Theoretical Hours			Practical Hours				Instructional Time	Study Time (Student work-load)	National Credits	ECTS	
			Lecture	SCLA	Sub Total	Lab study	Field study	"Simulated Clinical Practice"	"Clinical Practice"					Sub Total
Biomedical Subject Committees (BSC)	MED 111	Molecular and Cellular Medicine -I	74	14	88	16			16	104	90	194	6	7
	MED 113	Molecular and Cellular Medicine -II	91	14	105	8			8	113	110	223	7	8
	MED 116	Blood and Immunity	118	15	133	8			8	141	200	341	10	13
	<b>BSC 1</b>	<b>TOTAL</b>	<b>283</b>	<b>43</b>	<b>326</b>	<b>32</b>			<b>32</b>	<b>358</b>	<b>400</b>	<b>758</b>	<b>23</b>	<b>28</b>
Integrated Medical Courses	MED 121	Research in Health-I	12	7	19					19	30	49	2	2
	MED 123	Medical Ethics and Humanities-I	30	0	30					30	70	100	2	4
	MED 122	Health and Society-I	19	7	26		5		5	31	70	101	2	4
	MED 125	Communication Skills	19	10	29			8	8	37	60	97	3	4
	<b>CMPS 1</b>	<b>TOTAL</b>	<b>80</b>	<b>24</b>	<b>104</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>117</b>	<b>230</b>	<b>347</b>	<b>9</b>	<b>14</b>
Complementary Medical Courses (CMC)	MED 131	Biostatistics	28	0	28	14			14	42	25	67	3	3
	MED 132	Bioinformatics	28	0	28	14			14	42	25	67	3	3
	MED 133	Medical English-I	28	14	42	14			14	56	30	86	3	3
	MED 134	Medical English-II	28	14	42	15			15	57	31	88	3	3
Common Courses (CC)	<b>EMED 101</b>	<b>Electives in Medicine-I</b>	<b>7</b>	<b>14</b>	<b>21</b>	<b>14</b>	<b>14</b>		<b>28</b>	<b>49</b>	<b>60</b>	<b>109</b>	<b>2</b>	<b>4</b>
	ATA 101	Atatürk Principles and History of Revolution-I	21	7	28					28	5	33	2	1
	ATA 102	Atatürk Principles and History of Revolution-II	21	7	28					28	5	33	2	1
	TUR 101	Turkish Language and Literature-I	28		28					28	5	33	2	1
Common Courses (CC)	TUR 102	Turkish Language and Literature-II	28		28					28	5	33	2	1
	ELE 197	Elective Course-I	28		28					28	5	33	2	1
	ELE 198	Elective Course-II	28		28					28	5	33	2	1
	<b>TOTAL</b>	<b>TOTAL</b>	<b>636</b>	<b>123</b>	<b>759</b>	<b>103</b>	<b>19</b>	<b>8</b>	<b>130</b>	<b>889</b>	<b>831</b>	<b>1720</b>	<b>58</b>	<b>64</b>

**SCLA:** Student Centered Learning Activities (Problem-Based Learning (PBL), Team Based learning (TBL), Case Based Learning (CBL), Flipped Classroom, Workshops.)

**Field Study:** Site visits, Studies in the community, Working in primary care.

**Lab Study:** Practices in Basic Science and Computer Labs.

**Simulated Clinical Practice:** Practices in clinical skills labs. (CASE)

**Clinical Practice:** Bed side, Outpatient clinic, Operation room.

**Study Time:** Self Directed Learning, Preparation.

Course Name	Molecular and Cellular Medicine-I	MED 111
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Fall
Course Dates	25.09.2023 – 17.11.2023

Theoretical Hours	88	Credit 6	ECTS 7
Practical Hours	16		
Study Hours	90		
TOTAL HOURS	194		

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**Cem SUNGUR**

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**Ürün ÖZER AĞIRBAŞ**

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**Educational Methods**

Lectures, Panels and Lab Study

**Course Aims**

The aim of this subject committee is to provide knowledge about molecular structures that constitute the basis of life, explain normal structure and function of a cell, cell types and basic tissues, define DNA, chromosomes and basis of heredity, and relate the genetic diseases with clinical knowledge.

**Learning Outcomes**

By the end of this subject committee, the students will be able to:

1. Define inorganic, organic evolution and emergence of living things.
2. Define atom, molecule and matter, classify chemical bonds, define the measurements commonly used in biological sciences, comprehend basis of analytical chemistry and related calculations, and explain chemical reactions.
3. Describe the structure and functions of nucleic acids, carbohydrates, amino acids, proteins and lipids and define their importance lipids.
4. Define the structure and function of prokaryotic and eukaryotic cells.
5. Define cell and cell types, organelles and their functions, observe cell types and structure using microscope.
6. Describe the structure and function of DNA, principles of DNA packaging, chromatin structure, replication, DNA repair and recombination.
7. Describe the chromosome structure, and explain its relation with clinical cytogenetics.
8. Explain cell cycle, cell division and cell death.
9. Explain the concept of central dogma, describe the flow of genetic information, define the transcription, translation and control of gene expression.
10. Explain the structure and function of gene, nuclear and mitochondrial genome, define define types of mutations and polymorphisms and epigenetic mechanisms.
11. Explain the Mendelian Genetics and its laws, define Mendelian and Non-Mendelain inheritance patterns and the principles of population genetic.
12. Explain the basis of genetic diseases and hereditary multifactorial diseases with examples, define the genetic basis of cancer, explain developmental genetics.
13. Discuss the outcomes of human genome project and personalized medicine, and explain the current approaches for the treatment of genetic diseases.
14. Define the molecular biology and diagnostic tools, acquire basic laboratory skills and perform DNA isolation, agorose gel electrophoresis and nucleic acid amplification experiments.
15. Explain the histological features of basic tissues such as epithelial, connective tissue and skin and examine these tissues by light microscopy.

**Assessment Methods**

Theoretical and Practical Examinations

Course Name	Molecular and Cellular Medicine-II	MED 113
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Fall
Course Dates	20.11.2023 - 26.01.2024

Theoretical Hours	105	Credit 7	ECTS 8
Practical Hours	8		
Study Hours	110		
TOTAL HOURS	223		

### Course Chairs

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### Course Lectures

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**Sema GENÇ\***

*M.D., Prof. Medical Biochemistry*

\*Visiting Professor

\*Affiliated Faculty

<b>Educational Methods</b>	<b>Lectures, Panels, Group Discussions and Lab Study</b>
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### Course Aims

The aim of this subject committee is to provide knowledge about the structure and functions of cell membrane, signal transduction, bioenergetics and metabolism of cell, and define the early stages of embryonic development.

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Explain structure and function of cell membrane.
2. List and explain the transport processes through cell membrane.
3. Explain the concept of homeostasis and characteristics of body fluids.
4. Describe the basic intercellular signaling mechanisms and explain cellular signal transduction.
5. Define the electrical dynamics of a cell, cell membrane potential and action potential in excitable Tissues.
6. Define the basic physical concepts regarding cell membrane and signal transduction.
7. Explain the laws of thermodynamics and define concepts of enthalpy, entropy, free energy.
8. Explain the high energy metabolites and their biological reactions, and energetics of electron transport chain.
9. Explain the structure, functions and kinetics of enzymes.
10. Explain the metabolic pathways: Glycolysis, gluconeogenesis, glycogenesis, glycogenolysis, TCA cycle, oxidative phosphorylation and electron transport chain.
11. Explain the metabolism of nucleic acids, amino acids, proteins and lipids, and the metabolic effects of vitamins and micronutrients.
12. Explain the formation of human gametes, stages of fertilization, formation of zygote and blastocyst, and implantation.
13. Explain the early stages of embryonic development, formation of bilaminar and trilaminar embryonic disc, neurulation and early development of organ systems.
14. Explain the extra-embryonic structures, describe the properties and types of stem cells.

<b>Assessment Methods</b>	<b>Theoretical Examinations and Performance Assessment</b>
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Course Name	Blood and Immunity	MED 116
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Spring
Course Dates	12.02.2024 – 14.06.2024

Theoretical Hours	133	Credit 10	ECTS 13
Practical Hours	8		
Study Hours	200		
TOTAL HOURS	341		

### Course Chairs

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### Course Lectures

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*Ph.D., Assist. Prof. Psychology*

**\*Visiting Professor**

<b>Educational Methods</b>	<b>Lectures, Lab Study, Problem Based Learning and Team Based Learning Sessions</b>
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### Course Aims

The aim of this subject committee is to provide knowledge about normal structure and function of blood and immune system including their pathological changes and relate these changes with index diseases and clinical knowledge.

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Explain the general features of blood
2. Defines the steps of hematopoiesis and explain the structural properties of cells in each stage
3. Explains the structure and pathology of bone marrow and lymphoid organs
4. Explains the functions of erythrocytes and their pathological changes
5. Explains the functions of leukocytes and their pathological changes
6. Explains the functions of thrombocytes and their pathological changes
7. Explains the processes of hemostasis
8. Describes the structure and properties of the immune system and pathological changes
9. Explains pharmacological approaches related to pathological changes of the hematopoietic system
10. Relates the mechanisms of deterioration in the normal structure and function of the hematopoietic system with basic diseases and clinical conditions
11. distinguish types, sources and hazards of radiation
12. classify sterilization and disinfection procedures
13. be able to define pathological response to tissue and cell injury, mechanisms of tissue repair
14. comprehend microbial metabolism and their pathogenesis in cells and tissues
15. define the molecular basis and pathology of neoplasia
16. describe the main properties of microorganisms, their types and related diagnostic features
17. Explains the development and structure of lymphatic organs
18. Explains the immune and autoimmune response
19. Define the molecular basis of cancer, oncogenes and tumor suppressor genes, carcinogenesis and explain cancer epidemiology, ethiology and prevention
20. Explains Neoplasia, tumor marks and apoptosis
21. Describes the structure and properties of the immune system and pathological changes
22. Explains pharmacological approaches related to pathological changes of the hematopoietic system
23. Explain laboratory safety procedures
24. Explains nonmalignant changes of the hematopoietic system

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations, Active Attendance / Performance Assessment</b>
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<b>Course Name</b>	<b>Research in Health - I</b>	<b>MED 121</b>
<b>Course Category</b>	<b>Clinical Medicine and Professional Skills</b>	<b>CMPS</b>

<b>Course Type</b>	<b>Compulsory</b>
<b>Medium of Instruction</b>	<b>English</b>
<b>Year / Semester</b>	<b>Year I / Fall</b>
<b>Course Dates</b>	<b>19.12.2023 – 25.01.2024</b>

<b>Theoretical Hours</b>	<b>19</b>	<b>Credit</b> <b>2</b>	<b>ECTS</b> <b>2</b>
<b>Practical Hours</b>	<b>0</b>		
<b>Study Hours</b>	<b>30</b>		
<b>TOTAL HOURS</b>	<b>49</b>		

#### Course Chairs

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#### Faculty

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**\*Visiting Professor**

<b>Educational Methods</b>	<b>Theoretical and practical sessions, case studies, team based learning (TBL)</b>
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### Course Aims

The aim of this course is to create a learning opportunity for students to develop scientific thinking skills and to introduce the students to medical research methodology

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Distinguish between scientific philosophy and philosophy of science
2. Explain the evolution of scientific thinking
3. Describe fundamentals of scientific research and characteristics of scientific thinking methodology
4. Discuss the scientific reasoning and the methodological framework in a medical research
5. Describe the epidemiology and its context
6. Analyse the key criteria to assess if a relationship is causal
7. Discuss the meaning of research integrity
8. Define plagiarism

<b>Assessment Methods</b>	<b>Written examination, case analyses, individual and group (IRAT&amp;GRAT) readiness assessment test, group working in class</b>
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Course Name	Health and Society - I	MED 122
Course Category	Clinical Medicine and Professional Skills	CMPS

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Spring
Course Dates	15.02.2024 – 04.04.2024

Theoretical Hours	26	Credit 2	ECTS 4
Practical Hours	5		
Study Hours	70		
TOTAL HOURS	101		

#### Course Chairs

**Yeşim YASİN**  
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#### Faculty

**Pınar TOPSEVER**  
*M.D., Prof. Family Medicine*

**Yeşim YASİN**  
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**İnci USER\***  
*PhD., Prof. Faculty of Arts and  
Sciences-Sociology*

\*Visiting Professor

<b>Educational Methods</b>	<b>Site visits, group assignments, group presentations and discussions, reflective and peer group learning experiences, problem based learning, interactive lectures and self-directed learning sessions, focus group discussion.</b>
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### Course Aims

The aim of this course is to

- Introduce the students to the social, cultural economic and political factors of health and illness and to acquaint them with the primary health care system in Turkey.

### Learning Outcomes

By the end of this course, the students will be able to:

- Discuss sociological concepts of health, illness, sickness and disease
  - Identify the differences between illness, disease and sickness
  - Compare and contrast the medical concept of disease with individual and/or community perceptions and explanations of health and illness/disease
- Explain the impact of medicine upon society
  - Labelling and stigmatization
  - Medicalization
- Explain the changing patterns of disease and health care throughout history and across cultures
- Explain the social determinants of health and illness
  - Compare and contrast the theories of disease causation
  - Define the socio demographic factors of health and illness
- Explain health issues in a global context
- Discuss the issue of social inequalities in health
- Explain the principle of equity in health care
- Explain the basic structure of the health care system in Turkey
- Make a field observation about the practice of primary health care
- To understand patient's perspective on individual disease experience through narratives

<b>Assessment Methods</b>	<b>Written examination, log-books, standardized evaluation of group presentations of assignments and projects, case studies.</b>
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Course Name	Medical Ethics and Humanities- I	MED 123
Course Category	Clinical Medicine and Professional Skills	CMPS

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Fall
Course Dates	28.09.2023 – 14.12.2023

Theoretical Hours	30	Credit 2	ECTS 4
Practical Hours	-		
Study Hours	70		
TOTAL HOURS	100		

#### Course Chairs

**Yeşim Işıl ÜLMAN**

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#### Faculty

**Yeşim Işıl ÜLMAN**

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**Fatih ARTVİNLİ**

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**Pınar TOPSEVER**

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**Yeşim YASİN**

*M.A, MSc. Ph.D., Assoc. Prof. Public Health*

**İlker KAYI**

*M.D., Assist. Prof.*

<b>Educational Methods</b>	<b>Lectures, discussions, case studies</b>
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**Course Aims**

This course aims to;

Create a learning opportunity for students:

- Comprehend the universal principles of human rights and the right to health
- Be aware of the relation with human rights and human dignity
- Understand the historical process of the evolution of contemporary medicine  
develop an awareness about her/his role as a physician

**Learning Outcomes**

By the end of this course, the students will be able to:

- Aware of the evolution of medical practice by reviewing concepts and principles of philosophy of medicine
- Be familiar with the concept of bioethics and medical ethics
- Apply ethical discourse and methodology to a medical context
- Analyse the relationship between perception about physicians and the role of physicians in the community
- Identify the characteristics of the doctor patient relationship concerning its ambivalent and asymmetrical features
- Identify the role and functions of physicians in health care throughout the ages
- Explain the historical milestones of the evolution of medicine such as:
  - Hippocratic secular approach,
  - Establishment of first medical schools,
  - Progress of physical diagnosis,
  - The emergence of public health,
  - Development of the scientific method and its impact on modern medicine

<b>Assessment Methods</b>	<b>Written examination, case analysis</b>
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Course Name	Communication Skills	MED 125
Course Category	Clinical Medicine and Professional Skills	CMPS

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I /Fall-Spring
Course Dates	16.04.2024 – 14.06.2024

Theoretical Hours	29	Credit 3	ECTS 4
Practical Hours	8		
Study Hours	60		
TOTAL HOURS	97		

#### Course Chairs

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#### Faculty

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**Levent ALTINTAŞ**  
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**Şirin PARKAN**  
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**Figen DEMİR**  
M.D., Assoc. Prof. Public Health

**Dilek KİTAPÇIOĞLU**  
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**Demet DİNÇ**  
M.D., Instructor Family Medicine

**Bernis SÜTÇÜBAŞI\***  
Ph.D., Assist. Prof. Psychology

**Olga Selin HÜNLER\***  
Ph.D., Assoc. Prof. Psychology

\*Visiting Professor

<b>Educational Methods</b>	<b>Theoretical and practical sessions, drama, role playing, peer discussions, experiential learning and seminars, case studies and group presentations, skills training with task trainers and on models</b>
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### Course Aims

The aim of this course is to provide provide necessary knowledge and skills about;

- Basic life support and first aid
- Concept of communication
- Effective communication and its clinical competence
- Developing a sense of self awareness and respect for other individuals by empathy
- The necessity for a patient centred approach
- Decontamination, disinfection and handwashing

### Learning Outcomes

By the end of this course, the students will be able to:

- Explain principles of first aid
- Correctly administer basic life support techniques
- Be aware that effective communication is a clinical competence and can be learned
- Explain the concept of communication
- Be aware of the importance of communication skills for “good clinical practice”
- Distinguish different levels of active listening,
- Be self-aware of his/her communication skills
- Value respect for other individuals by empathy
- Be aware of the necessity to display a compassionate and patient-centred approach based on humanistic-ethical values and respect for others when communicating with patients and/or with persons in their social environment
- Be aware of personal ability to accurately perceive own emotions and stay aware of them as they happen.
- Distinguish the real effects and importance of intelligence on his / her life.
- Be aware of the fundamentals of self-management.
- Explain the mechanism of stress.
- Be aware of the negative and positive personal stressors and their effects on daily professional life.
- Be aware of stress management techniques.
- Be aware of the effectiveness and importance of team work in professional life .
- Explain the importance of social awareness, relation management, leadership and motivation in team activities.
- Identify the requirements for effective decontamination, disinfection, handwashing and practice
- Explain the principles of decontamination, disinfection, hand washing practice
- Demonstrate effective decontamination, disinfection, hand washing practices

<b>Assessment Methods</b>	<b>Case analyses, standardized evaluation of projects and performances and group presentations of assignments, during skill training performance based assessment</b>
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<b>Course Name</b>	<b>Biostatistics</b>	<b>MED 131</b>
<b>Course Category</b>	<b>Complementary Medical Course</b>	<b>CMC</b>

<b>Course Type</b>	<b>Compulsory</b>
<b>Medium of Instruction</b>	<b>English</b>
<b>Year / Semester</b>	<b>Year I /Fall</b>
<b>Course Dates</b>	

<b>Theoretical Hours</b>	<b>28</b>	<b>Credit</b> <b>3</b>	<b>ECTS</b> <b>3</b>
<b>Practical Hours</b>	<b>14</b>		
<b>Study Hours</b>	<b>25</b>		
<b>TOTAL HOURS</b>	<b>67</b>		

**Course Chairs****Uğur SEZERMAN***Ph.D., Prof. Biostatistics & Medical Informatics*  
ugur.sezerman@acibadem.edu.tr**Faculty****Emel TİMUÇİN***Ph.D., Assoc. Prof. Biostatistics & Medical Informatics*

<b>Educational Methods</b>	<b>Lectures, Presentations, Computer Applications</b>
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### Course Aims

The aim of this course is to teach core statistical methods which include descriptive statistics and exploratory methods, hypothesis tests, missing data, sampling methods, and regression methods for continuous and discrete outcomes. Students will also learn to use R programming language through which they will be able to analyze real medical data.

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Formulate scientific hypotheses
2. Apply core statistical methods
3. Conduct hypothesis tests
4. Apply regression methods
5. Use R programming language
6. Analyze real medical data in R

<b>Assessment Methods</b>	<b>Projects, Homeworks and Exams</b>
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Course Name	Bioinformatics	MED 132
Course Category	Complementary Medical Course	CMC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Spring
Course Dates	-

Theoretical Hours	28	Credit 3	ECTS 3
Practical Hours	14		
Study Hours	25		
TOTAL HOURS	67		

#### Course Chairs

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#### Faculty

**UĞUR SEZERMAN**

*Ph.D., Prof. Biostatistics & Medical Informatics*

<b>Educational Methods</b>	<b>Lectures, Presentations, Projects and Applications in Laboratory</b>
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### Course Aims

The aim of this course is to provide necessary background for carrying out basic bioinformatics research. It aims to convey algorithmic solutions to core problems in biology and medicine. It also aims to stimulate medical students to look at the common problems they will be dealing with from different perspectives.

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Define impact of mutations
2. Analyze local, semi global and global sequence alignments and interpret the results
3. Perform Fast database search
4. Obtain genome sequences using fragment assembly
5. Design physical mapping of DNA
6. Perform Phylogenetic analysis
7. Build DNA and protein sequence profiles and use them in relation to disease diagnostics
8. Define state of the art bioinformatics databases, tools and servers

<b>Assessment Methods</b>	<b>Projects, Homeworks and Exams</b>
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Course Name	Medical English I & II	MED 133 - 134
Course Category	Complementary Medical Courses	CMC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year I / Fall & Spring
Course Dates	-

Theoretical Hours	84	Credit 6	ECTS 6
Practical Hours	29		
Study Hours	61		
TOTAL HOURS	174		

#### Course Chairs

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**Sesin KOCAGÖZ**  
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#### Faculty

**Nafiye Çiğdem AKTEKİN**  
PhD., Academic English Program Coordinator

**Motassem BOWARSHI**  
Instructor, Foreign Languages

**Beyza KARACİBİOĞLU**  
Instructor, Foreign Languages

**Serdar DUMAN**  
Instructor, Foreign Languages

<b>Educational Methods</b>	Theoretical and practical courses: multimedia sessions, role play, peer discussions, plenary sessions with student presentations, lectures, reading and listening comprehension exercises of simple medical conversations and basic texts, analyses of simple medical texts (popular media, general health information leaflets etc.)
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### Course Aims

The aim of the course is to support the medical curriculum by providing a linguistic introduction to the use of the English language for professional activities (academic and occupational English) in daily medical practice.

### Learning Outcomes

By the end of this course, the students will;

- Demonstrate proficiency in general medical terminology (occupational English) regarding the content of the accompanying medical curriculum
- Analyse and interpret spoken and written basic English medical language and texts (Academic English)
- Actively engage in basic medical discourse (with patients and their carers (laypeople) and colleagues and other health professionals (occupational English))

<b>Assessment Methods</b>	Theoretical written examinations (MCQs), essays, performance based assessment (oral and poster presentations), medical text analysis home works
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Course Name	Turkish Language - Literature I & II	TUR 101 TUR 102
Course Category	Common Courses	CC

Course Type	Compulsory
Medium of Instruction	Turkish
Year / Semester	Year I / Fall-Spring
Course Dates	-

Theoretical Hours	56	Credit 4	ECTS 2
Practical Hours	-		
Study Hours	10		
TOTAL HOURS	66		

#### Course Chairs

HÜLYA DÜNDAR ŞAHİN

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#### Faculty

HÜLYA DÜNDAR ŞAHİN

*Ph.D., Assist. Prof. Turkish Language and Literature*

<b>Educational Methods</b>	<b>Lectures, Reading Assignments, Discussions</b>
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<b>Course Aims</b>	
<p>This course aims to gain knowledge about the importance of Turkish language and literature. Impact of language on cultural development will be pointed out. Emphasis is placed on reading, interpreting and discussing selected prose, novels, stories and poetry. Correct use of Turkish will be discussed with examples of narration defects, punctuation, and spelling mistakes.</p>	
<b>Learning Outcomes</b>	
<p>By the end of this course, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Explain the features of written language</li> <li>2. Define the rules for written explanation</li> <li>3. Describe grammar rules</li> <li>4. Indicate the rules for punctuation</li> <li>5. Describe the concepts of writing an essay</li> <li>6. Define the methods to express himself</li> </ol>	

<b>Assessment Methods</b>	<b>Theoretical Examinations</b>
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<b>Course Name</b>	Atatürk Principles and History of Revolution I & II	ATA 101 ATA 102
<b>Course Category</b>	Common Courses	CC

<b>Course Type</b>	Compulsory
<b>Medium of Instruction</b>	Turkish
<b>Year / Semester</b>	Year I / Fall - Spring
<b>Course Dates</b>	-

<b>Theoretical Hours</b>	56	<b>Credit</b> 4	<b>ECTS</b> 2
<b>Practical Hours</b>	-		
<b>Study Hours</b>	10		
<b>TOTAL HOURS</b>	66		

#### Course Chairs

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#### Faculty

**HÜLYA DÜNDAR ŞAHİN**

*Ph.D., Assist. Prof. Turkish Language and Literature*

<b>Educational Methods</b>	Lectures, Reading Assignments, Discussions
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### Course Aims

This course aims to gain knowledge about the importance of Turkish language and literature. Impact of language on cultural development will be pointed out. Emphasis is placed on reading, interpreting and discussing selected prose, novels, stories and poetry. Correct use of Turkish will be discussed with examples of narration defects, punctuation, and spelling mistakes.

### Learning Outcomes

By the end of this course, the students will be able to:

1. Explain the features of written language
2. Define the rules for written explanation
3. Describe grammar rules
4. Indicate the rules for punctuation
5. Describe the concepts of writing an essay
6. Define the methods to express himself

<b>Assessment Methods</b>	Theoretical Examinations
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# YEAR 1 FALL SEMESTER SCHEDULE



## 25.09.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Introduction to Medical School	Mustafa AKTEKİN
10:10 - 10:50	Introduction to Medical School	Mustafa AKTEKİN
11:00 - 11:40	Introduction to Year I	Fehime AKSUNGAR
11:50 - 12:30	Introduction to MED 111 Molecular and Cellular Medicine-I	HATIRNAZ NG- Yasemin ALANAY
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Introduction to Medical English	BOWARSHI, DUMAN, KARACİBİOĞLU
14:20 - 15:00	CMPS: Introduction to Clinical Medicine and Professional Skills	TOPSEVER, DEMİR
15:10 - 15:50	Origin of Life	Cemaliye AKYERLİ BOYLU
16:00 - 16:40	Water as a Living Environment	Zeynep DURER
16:50 - 17:30	Elective Course I / Study time	

## 26.09.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Scientific Measurements and Calculations	Özkan ÖZDEMİR
10:10 - 10:50	Atoms, Molecules and Matter	Zeynep DURER
11:00 - 11:40	Atoms, Molecules and Matter	Zeynep DURER
11:50 - 12:30	Chemical Bonds and Reactions	Ahmet Tarık BAYKAL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Gases, Liquids and Solids	Beki KAN
14:20 - 15:00	Acids and Bases	Abdurrahman COŞKUN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 27.09.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Organic Functional Groups in Medicine	Ahmet Tarık BAYKAL
10:10 - 10:50	Organic Functional Groups in Medicine	Ahmet Tarık BAYKAL
11:00 - 11:40	Structure of Nucleic Acids	Ahmet Tarık BAYKAL
11:50 - 12:30	Orientation Programme: How to be a Med Student in 2023? / Orientation Program: Student Based Learning and Communicatong in Academic Environment	Levent ALTINTAŞ - Melike ŞAHİNER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 28.09.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Orientation Programme: How to Use Textbooks and how to study	Cem SUNGUR
10:10 - 10:50	CMPS/ME&H: Introduction to Being a Doctor - TBL	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H: Introduction to History of Medicine	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H: Medicine at Bedside	Yeşim İŞİL ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Orientation Programme: Meeting with International Student Club	International Student Club
16:50 - 17:30	Elective Course I / Study time	

## 29.09.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Elective Course I / Study time	

02.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Structure of Amino Acids	Abdurrahman COŞKUN
10:10 - 10:50	Structure of Amino Acids	Abdurrahman COŞKUN
11:00 - 11:40	Tree of Life and Evolution	Cemaliye AKYERLİ BOYLU
11:50 - 12:30	Tree of Life and Evolution	Cemaliye AKYERLİ BOYLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Protein Structure and Function	Abdurrahman COŞKUN
14:20 - 15:00	Protein Structure and Function	Abdurrahman COŞKUN
15:10 - 15:50	Concept of cell: Prokaryotes, Eukaryotes and Multicellular Life	Özkan ÖZDEMİR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

03.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Orientation Program: How to use online Education Systems	Education Technologies
10:10 - 10:50	University Orientation	
11:00 - 11:40	University Orientation	
11:50 - 12:30	University Orientation	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Carbohydrate Structure and Function	Fehime AKSUNGAR
15:10 - 15:50	Carbohydrate Structure and Function	Fehime AKSUNGAR
16:00 - 16:40	Structure of Lipids	Ahmet Tarık BAYKAL
16:50 - 17:30	Structure of Lipids	Ahmet Tarık BAYKAL

04.10.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Cell organelles and inclusions at light and electron microscopic level	Serap ARBAK
10:10 - 10:50	Cell organelles and inclusions at light and electron microscopic level	Serap ARBAK
11:00 - 11:40	Cell organelles and inclusions at light and electron microscopic level	Serap ARBAK
11:50 - 12:30	Structure and Function of DNA	Özden HATIRNAZ NG
12:30 - 13:30	Lunch Time	
13:30 - 14:10	DNA Packaging and Chromatin Structure and 3 D genome	Özkan ÖZDEMİR
14:20 - 15:00	DNA Replication	Özden HATIRNAZ NG
15:10 - 15:50	Orientation Programme: Mentorship Programm	Cemaliye AKYERLİ BOYLU
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

05.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Orientation Program: Social and psychological support	Ürün ÖZER AĞIRBAŞ
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/ME&H:Medicine in the Library, Medieval and Renaissance Medicine	Yeşim IŞIL ÜLMAN
11:50 - 12:30	CMPS/ME&H:Medicine in the Library, Medieval and Renaissance Medicine	Yeşim IŞIL ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

06.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

09.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	DNA Repair and Recombination	Özden HATIRNAZ NG
10:10 - 10:50	DNA Repair and Recombination	Özden HATIRNAZ NG
11:00 - 11:40	Chromosome Structure	Özden HATIRNAZ NG
11:50 - 12:30	Cell Cycle	Cemaliye AKYERLİ BOYLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Nucleus	Deniz YÜCEL
14:20 - 15:00	Transmission of the Genome: Cell Division	Merve AÇIKEL ELMAS
15:10 - 15:50	Medical Relevance of Mitosis and Meiosis	Özden HATIRNAZ NG
16:00 - 16:40	Asos Trial Exam	
16:50 - 17:30	Elective Course I / Study time	
10.10.2023 TUESDAY		
08:30 - 09:10	Orientation Programm: Meeting with the international office	International Office
09:20 - 10:00	Lab: Microscope Skills and Cell Types Group A	ARBAK, YÜCEL, AÇIKEL ELMAS A301
10:10 - 10:50	Lab: Microscope Skills and Cell Types Group A	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:00 - 11:40	Lab: Microscope Skills and Cell Types Group B	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:50 - 12:30	Lab: Microscope Skills and Cell Types Group B	ARBAK, YÜCEL, AÇIKEL ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	PANEL: Clinical Cytogenetics	ALANAY-HATIRNAZ NG-AKGÜN
14:20 - 15:00	PANEL: Clinical Cytogenetics	ALANAY-HATIRNAZ NG-AKGÜN
15:10 - 15:50	Orientation Programme: How to Use Library	Ayça MAZLUMOĞLU
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	
11.10.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Nucleus and Cell Division (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
10:10 - 10:50	LAB: Nucleus and Cell Division (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:00 - 11:40	LAB: Nucleus and Cell Division (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:50 - 12:30	LAB: Nucleus and Cell Division (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Cell Death	Cemaliye AKYERLİ BOYLU
14:20 - 15:00	MED111 Formative Assessment-I	ALTINTAŞ-HATIRNAZ NG
15:10 - 15:50	MED111 Formative Assessment-I	ALTINTAŞ-HATIRNAZ NG
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	
12.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/ME&H: Being a Doctor - TBL	ÜLMAN, ARTVİNLİ
10:10 - 10:50	CMPS/ME&H: Being a Doctor - TBL	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H: Being a Doctor - TBL	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H: Being a Doctor - TBL	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	
13.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 16.10.2023 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study time
10:10 - 10:50	Study time
11:00 - 11:40	MED 111 THEORETICAL EXAMINATION I
11:50 - 12:30	MED 111 THEORETICAL EXAMINATION I
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study time
14:20 - 15:00	Study time
15:10 - 15:50	Study time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 17.10.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	From DNA to RNA	Cemaliye AKYERLİ BOYLU
10:10 - 10:50	From DNA to RNA	Cemaliye AKYERLİ BOYLU
11:00 - 11:40	Histology of Lining and Glandular Epithelium	Serap ARBAK
11:50 - 12:30	Histology of Lining and Glandular Epithelium	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	From RNA to Protein	Cemaliye AKYERLİ BOYLU
14:20 - 15:00	From RNA to Protein	Cemaliye AKYERLİ BOYLU
15:10 - 15:50	Control of gene expression	Özkan ÖZDEMİR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 18.10.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Epigenetics	Özden HATIRNAZ NG
10:10 - 10:50	Histology of Connective Tissue	Merve AÇIKEL ELMAS
11:00 - 11:40	Histology of Connective Tissue	Merve AÇIKEL ELMAS
11:50 - 12:30	Nuclear Genome: Gene structure and function	Cemaliye AKYERLİ BOYLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Human Genetic Diversity: Mutation and Polymorphisms	Özkan ÖZDEMİR
14:20 - 15:00	Human Genetic Diversity: Mutation and Polymorphisms	Özkan ÖZDEMİR
15:10 - 15:50	Mendelian Genetics	Cemaliye AKYERLİ BOYLU
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 19.10.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Histology of Skin and Adnex	Deniz YÜCEL
10:10 - 10:50	Histology of Skin and Adnex	Deniz YÜCEL
11:00 - 11:40	CMPS/ME&H:Medicine in the Hospital	Fatih ARTVİNLİ
11:50 - 12:30	CMPS/ME&H:Medicine in the Hospital	Fatih ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 20.10.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Histology of Lining and Glandular Epithelium (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
14:20 - 15:00	LAB: Histology of Lining and Glandular Epithelium (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
15:10 - 15:50	LAB: Histology of Lining and Glandular Epithelium (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
16:00 - 16:40	LAB: Histology of Lining and Glandular Epithelium (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
16:50 - 17:30	Elective Course I / Study time	

## 23.10.2023 MONDAY

08:30 - 09:10	Study time	
09:20 - 10:00	Study time	
10:10 - 10:50	Study time	
11:00 - 11:40	LAB: Connective Tissue and Skin (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:50 - 12:30	LAB: Connective Tissue and Skin (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Connective Tissue and Skin (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
14:20 - 15:00	LAB: Connective Tissue and Skin (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
15:10 - 15:50	Study time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 24.10.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Tools of Molecular Biology	Cemaliye AKYERLİ BOYLU
10:10 - 10:50	Tools of Molecular Biology	Cemaliye AKYERLİ BOYLU
11:00 - 11:40	Study time	
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study time	
14:20 - 15:00	Study time	
15:10 - 15:50	Study time	
16:00 - 16:40	White Coat Ceremony Rehearsal	
16:50 - 17:30	White Coat Ceremony Rehearsal	

## 25.10.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Mendelian Inheritance Patterns	Özlem AKGÜN DOĞAN
10:10 - 10:50	Mendelian Inheritance Patterns	Özlem AKGÜN DOĞAN
11:00 - 11:40	Non-Mendelian Inheritance	Özlem AKGÜN DOĞAN
11:50 - 12:30	Complex Inheritance of Multifactorial Disorders	Kaya BİLGUVAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	White Coat Ceremony	
14:20 - 15:00	White Coat Ceremony	
15:10 - 15:50	White Coat Ceremony	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 26.10.2023 THURSDAY

08:30 - 09:10	Mitochondrial Genome and Mitochondrial Inheritance	Özden HATIRNAZ NG
09:20 - 10:00	Study time for CMPS/ME&H TBL	ÜLMAN, ARTVİNLİ
10:10 - 10:50	CMPS/ME&H: Human Rights - TBL	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H: Human Rights - TBL	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H: Human Rights - TBL	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 27.10.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 30.10.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Molecular, Biochemical and Cellular Basis of Genetic Diseases	Özden HATIRNAZ NG
10:10 - 10:50	Molecular, Biochemical and Cellular Basis of Genetic Diseases	Özden HATIRNAZ NG
11:00 - 11:40	Genetic Basis of Cancer	Cemaliye AKYERLİ BOYLU
11:50 - 12:30	Genetic Basis of Cancer	Cemaliye AKYERLİ BOYLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Personalised Medicine Era	Kaya BİLGUVAR
14:20 - 15:00	Personalised Medicine Era	Kaya BİLGUVAR
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 31.10.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Treatment of Genetic Diseases and Future of Clinical Genomics	HATIRNAZ NG-ALANAY-DOĞAN
10:10 - 10:50	Treatment of Genetic Diseases and Future of Clinical Genomics	HATIRNAZ NG-ALANAY-DOĞAN
11:00 - 11:40	CMPS/ME&H: Medicine in the Community, Emergence of Public Health	Fatih ARTVİNLİ
11:50 - 12:30	CMPS/ME&H: Medicine in the Community, Emergence of Public Health	Fatih ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	PANEL: From Genotype to Phenotype	ALANAY-HATIRNAZ NG-AGGÜN
14:20 - 15:00	PANEL: From Genotype to Phenotype	ALANAY-HATIRNAZ NG-AGGÜN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 01.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Basic LAB Skills (pipette)(Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:50 - 12:30	Basic LAB Skills (pipette)(Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Basic LAB Skills (pipette)(Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
14:20 - 15:00	Basic LAB Skills (pipette)(Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
15:10 - 15:50	Basic concepts in population genetics	Kaya BİLGUVAR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 02.11.2023 THURSDAY

08:30 - 09:10	Hot topics in Biochemistry: Omics	Ahmet Tarık BAYKAL
09:20 - 10:00	CMPS/ME&H: Right to Health - TBL	ÜLMAN, ARTVİNLİ
10:10 - 10:50	CMPS/ME&H: Right to Health - TBL	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H: Right to Health - TBL	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H: Right to Health - TBL	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 03.11.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I Midterm Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
10:10 - 10:50	MED 133 Medical English I Midterm Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
11:00 - 11:40	MED 133 Medical English I Midterm Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

06.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Meeting With Mentor	
10:10 - 10:50	Discussion:DNA Isolation (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:00 - 11:40	LAB: DNA Isolation (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:50 - 12:30	LAB: DNA Isolation (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Discussion:DNA Isolation (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
14:20 - 15:00	LAB: DNA Isolation (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
15:10 - 15:50	LAB: DNA Isolation (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

07.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	LAB: Agarose Gel Electrophoresis (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:00 - 11:40	LAB: Agarose Gel Electrophoresis (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:50 - 12:30	LAB: Agarose Gel Electrophoresis (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Agarose Gel Electrophoresis (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
14:20 - 15:00	LAB: Agarose Gel Electrophoresis (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
15:10 - 15:50	LAB: Agarose Gel Electrophoresis (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

08.11.2023 WEDNESDAY		
08:30 - 09:10	Biochemistry of Connective Tissue	Abdurrahman COŞKUN
09:20 - 10:00	Biochemistry of Connective Tissue	Abdurrahman COŞKUN
10:10 - 10:50	Discussion: Nucleic acid Amplification; PCR (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:00 - 11:40	LAB: Nucleic acid Amplification; PCR (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
11:50 - 12:30	LAB: Nucleic acid Amplification; PCR (Group A)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Discussion: Nucleic acid Amplification; PCR (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
14:20 - 15:00	LAB: Nucleic acid Amplification; PCR (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
15:10 - 15:50	LAB: Nucleic acid Amplification; PCR (Group B)	A.BOYLU, HATIRNAZ, ÖZDEMİR Multidisciplinary Laboratory
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

09.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Biochemistry of Connective Tissue	Abdurrahman COŞKUN
10:10 - 10:50	Developmental Genetics	Özlem AKGÜN DOĞAN
11:00 - 11:40	Developmental Genetics	Özlem AKGÜN DOĞAN
11:50 - 12:30	Next Generation Sequencing and the Future of Diagnosis	Özkan ÖZDEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

10.11.2023 FRIDAY		
08:30 - 09:10	Atatürk Memorial Day	
09:20 - 10:00	Atatürk Memorial Day	
10:10 - 10:50	Atatürk Memorial Day	
11:00 - 11:40	Atatürk Memorial Day	
11:50 - 12:30	Atatürk Memorial Day	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	



## 13.11.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED111 Formative Assessment-II	ALTINTAŞ-HATIRNAZ NG
10:10 - 10:50	MED111 Formative Assessment-II	ALTINTAŞ-HATIRNAZ NG
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 14.11.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 15.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	HISTOLOGY LAB EXAMINATION	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:50 - 12:30	HISTOLOGY LAB EXAMINATION	ARBAK, YÜCEL, AÇIKEL ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	MED 111 THEORETICAL EXAMINATION II	
15:10 - 15:50	MED 111 THEORETICAL EXAMINATION II	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 16.11.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/ME&H: Right to Health in Society	ÜLMAN, ARTVİNLİ
10:10 - 10:50	CMPS/ME&H: Right to Health in Society	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H: Right to Health in Society	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H: Right to Health in Society	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics Midterm Exam	
14:20 - 15:00	MED 131 Biostatistics Midterm Exam	
15:10 - 15:50	MED 131 Biostatistics Midterm Exam	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 17.11.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 20.11.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 113 Molecular and Cellular Medicine-II	Deniz YÜCEL - Aysel ÖZPINAR
11:00 - 11:40	Cell Membrane Physiology	Mehmet ERGEN
11:50 - 12:30	Physical Characteristics of Membrane Structure and Function	Zeynep DURER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Structure and classification of enzymes	Ahmet Tarık BAYKAL
14:20 - 15:00	Structure and classification of enzymes	Ahmet Tarık BAYKAL
15:10 - 15:50	Properties of enzymes, factors affecting enzymatic reactions	Ahmet Tarık BAYKAL
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 21.11.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Michaelis-Menten Equation	Ahmet Tarık BAYKAL
10:10 - 10:50	Membrane Proteins	Zeynep DURER
11:00 - 11:40	Physical Principles of Transport: Diffusion and Facilitated Transport	Devrim ÖZ ARSLAN
11:50 - 12:30	Physical Principles of Transport: Diffusion and Facilitated Transport	Devrim ÖZ ARSLAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Homeostasis	Mehmet ERGEN
14:20 - 15:00	Homeostasis	Mehmet ERGEN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 22.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Charges, Coulomb's Law, Insulators and Conductors	Zeynep DURER
10:10 - 10:50	Charges, Coulomb's Law, Insulators and Conductors	Zeynep DURER
11:00 - 11:40	Electrical Forces, Fields and Currents	Evren KILINÇ
11:50 - 12:30	Electrical Forces, Fields and Currents	Evren KILINÇ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Body fluids	Mehmet ERGEN
14:20 - 15:00	Osmolarity and Tonicity	Devrim ÖZ ARSLAN
15:10 - 15:50	Physical Principles of Transport: Active Transport	Devrim ÖZ ARSLAN
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 23.11.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/ME&H-I: Right to Health in Society	ÜLMAN, ARTVİNLİ, KAYI
11:00 - 11:40	CMPS/ME&H-I: Right to Health in Society	ÜLMAN, ARTVİNLİ, KAYI
11:50 - 12:30	CMPS/ME&H-I: Right to Health in Society	ÜLMAN, ARTVİNLİ, KAYI
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 24.11.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 27.11.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Capacitors, Resistance, Direct Current	Evren KILINÇ
10:10 - 10:50	Capacitors, Resistance, Direct Current	Evren KILINÇ
11:00 - 11:40	Electrochemical Potential, Nernst Potential	Evren KILINÇ
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Membrane Potential and Action Potential	Evren KILINÇ
14:20 - 15:00	Membrane Potential and Action Potential	Evren KILINÇ
15:10 - 15:50	Conduction of Action Potential	Evren KILINÇ
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 28.11.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Excitable Tissue and Action Potential	Mehmet ERGEN
10:10 - 10:50	Excitable Tissue and Action Potential	Mehmet ERGEN
11:00 - 11:40	Flow of Energy in Nature, First Law of Thermodynamics	Beki KAN
11:50 - 12:30	Flow of Energy in Nature, First Law of Thermodynamics	Beki KAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Michaelis-Menten Equation	Ahmet Tarık BAYKAL
14:20 - 15:00	Regulation of enzyme activity	Ahmet Tarık BAYKAL
15:10 - 15:50	Allosteric regulation and covalent modification	Ahmet Tarık BAYKAL
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 29.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	The second law of thermodynamics, entropy, free energy	Beki KAN
10:10 - 10:50	The second law of thermodynamics, entropy, free energy	Beki KAN
11:00 - 11:40	COMPUTER LAB: Enzyme kinetics_Group A	Ahmet Tarık BAYKAL
11:50 - 12:30	COMPUTER LAB: Enzyme kinetics_Group A	Ahmet Tarık BAYKAL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	COMPUTER LAB: Enzyme kinetics_Group B	Ahmet Tarık BAYKAL
14:20 - 15:00	COMPUTER LAB: Enzyme kinetics_Group B	Ahmet Tarık BAYKAL
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 30.11.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Isoenzymes and clinical importance	Fehime AKSUNGAR
10:10 - 10:50	Isoenzymes and clinical importance	Fehime AKSUNGAR
11:00 - 11:40	CMPS/ME&H: Medicine in the Laboratory	Yeşim İŞİL ÜLMAN
11:50 - 12:30	CMPS/ME&H:Medicine in the Laboratory	Yeşim İŞİL ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 01.12.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

04.12.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Action potential_Group A	Mehmet ERGEN
10:10 - 10:50	LAB: Action potential_Group A	Mehmet ERGEN
11:00 - 11:40	LAB: Action potential_Group B	Mehmet ERGEN
11:50 - 12:30	LAB: Action potential_Group B	Mehmet ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Free energy and thermodynamic properties of water	Beki KAN
14:20 - 15:00	Meeting With Mentor	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

05.12.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Cellular Signaling	Mehmet ERGEN
10:10 - 10:50	Cellular Signaling	Mehmet ERGEN
11:00 - 11:40	Cellular Signaling	Mehmet ERGEN
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	General principles of metabolic pathways	Aysel ÖZPINAR
14:20 - 15:00	General principles of metabolic pathways	Aysel ÖZPINAR
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

06.12.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	PANEL: Cellular Signaling Advanced Topics	DURER, ÖZ ARSLAN, ERGEN
10:10 - 10:50	PANEL: Cellular Signaling Advanced Topics	DURER, ÖZ ARSLAN, ERGEN
11:00 - 11:40	PANEL: Cellular Signaling Advanced Topics	DURER, ÖZ ARSLAN, ERGEN
11:50 - 12:30	PANEL: Cellular Signaling Advanced Topics	DURER, ÖZ ARSLAN, ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Glycolysis	Aysel ÖZPINAR
14:20 - 15:00	Glycolysis	Aysel ÖZPINAR
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

07.12.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Gluconeogenesis	Aysel ÖZPINAR
10:10 - 10:50	Gluconeogenesis	Aysel ÖZPINAR
11:00 - 11:40	CMPS/ME&H: Medicine in the Modern World, Legacy of the Centuries	ÜLMAN, ARTVINLİ
11:50 - 12:30	CMPS/ME&H: History of Medicine in Turkey	ÜLMAN, ARTVINLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

08.12.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 11.12.2023 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 12.12.2023 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 13.12.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED113 Formative Assessment-I	ALTINTAŞ-YÜCEL
14:20 - 15:00	MED113 Formative Assessment-I	ALTINTAŞ-YÜCEL
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 14.12.2023 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	CMPS Medical Ethics & Humanities- Writen Exam
11:50 - 12:30	CMPS Medical Ethics & Humanities- Writen Exam
12:30 - 13:30	Lunch Time
13:30 - 14:10	MED 131 Biostatistics
14:20 - 15:00	MED 131 Biostatistics
15:10 - 15:50	MED 131 Biostatistics
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 15.12.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 18.12.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	MED 113 MIDTERM THEORETICAL EXAMINATION I	
15:10 - 15:50	MED 113 MIDTERM THEORETICAL EXAMINATION I	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 19.12.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/RinH-I:Introduction to Research in Health and Scientific Methodology	FigenDEMİR
11:00 - 11:40	CMPS/RinH- I:An example of scientific thinking:study of Ignaz Semmelweis	Pınar TOPSEVER
11:50 - 12:30	CMPS/RinH-I:An example of scientific thinking:study of Ignaz Semmelweis	Pınar TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Oogenesis	Serap ARBAK
14:20 - 15:00	Oogenesis	Serap ARBAK
15:10 - 15:50	Spermatogenesis	Merve AÇIKEL ELMAS
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 20.12.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	TCA Cycle	Aysel ÖZPINAR
10:10 - 10:50	TCA Cycle	Aysel ÖZPINAR
11:00 - 11:40	Fertilization	Serap ARBAK
11:50 - 12:30	Implantation	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Glycogenesis	Fehime AKSUNGAR
14:20 - 15:00	Glycogenesis	Fehime AKSUNGAR
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 21.12.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Glycogenolysis	Fehime AKSUNGAR
10:10 - 10:50	Glycogenolysis	Fehime AKSUNGAR
11:00 - 11:40	CMPS/RinH-I:Introduction to Epidemiology	Figen DEMİR
11:50 - 12:30	CMPS/RinH-I:Introduction to Epidemiology	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 22.12.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 25.12.2023 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Study Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 26.12.2023 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Study Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 27.12.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Metabolism of Proteins	Abdurrahman COŞKUN
11:00 - 11:40	Metabolism of Amino Acids	Abdurrahman COŞKUN
11:50 - 12:30	Metabolism of Amino Acids	Abdurrahman COŞKUN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Coupling of biological reactions with high energy metabolites	Zeynep DURER
14:20 - 15:00	Coupling of biological reactions with high energy metabolites	Zeynep DURER
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 28.12.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Glucose and cholesterol measurement-A	BAYKAL, AKSUNGAR, COŞKUN Multidisciplinary laboratory
10:10 - 10:50	LAB: Glucose and cholesterol measurement-A	BAYKAL, AKSUNGAR, COŞKUN Multidisciplinary laboratory
11:00 - 11:40	LAB: Glucose and cholesterol measurement-B	BAYKAL, AKSUNGAR, COŞKUN Multidisciplinary laboratory
11:50 - 12:30	LAB: Glucose and cholesterol measurement-B	BAYKAL, AKSUNGAR, COŞKUN Multidisciplinary laboratory
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics	
14:20 - 15:00	MED 131 Biostatistics	
15:10 - 15:50	MED 131 Biostatistics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 29.12.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 01.01.2024 MONDAY

08:30 - 09:10	New Year's Day	
09:20 - 10:00	New Year's Day	
10:10 - 10:50	New Year's Day	
11:00 - 11:40	New Year's Day	
11:50 - 12:30	New Year's Day	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	New Year's Day	
14:20 - 15:00	New Year's Day	
15:10 - 15:50	New Year's Day	
16:00 - 16:40	New Year's Day	
16:50 - 17:30	New Year's Day	

## 02.01.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Oxidative phosphorylation and electron transport chain	Abdurrahman COŞKUN
10:10 - 10:50	Oxidative phosphorylation and electron transport chain	Abdurrahman COŞKUN
11:00 - 11:40	Oxidative phosphorylation and electron transport chain	Abdurrahman COŞKUN
11:50 - 12:30	Oxidative phosphorylation and electron transport chain	Abdurrahman COŞKUN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Energetics of Electron Transport	Zeynep DURER
14:20 - 15:00	Energetics of Electron Transport	Zeynep DURER
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 03.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Metabolism of Nucleic acids	Sema GENÇ
10:10 - 10:50	Metabolism of Nucleic acids	Sema GENÇ
11:00 - 11:40	Metabolism of nucleotids	Ahmet Tarık BAYKAL
11:50 - 12:30	Formation of bilaminar and trilaminar embryonic disc	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Formation of bilaminar and trilaminar embryonic disc	Serap ARBAK
14:20 - 15:00	Hexose Monophosphate Shunt	Aysel ÖZPINAR
15:10 - 15:50	Hexose Monophosphate Shunt	Aysel ÖZPINAR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 04.01.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/RinH-I Causation in Epidemiology (RATs & Practice)	TOPSEVER, DEMİR
10:10 - 10:50	CMPS/RinH-I: Causation in Epidemiology (RATs & Practice)	TOPSEVER, DEMİR
11:00 - 11:40	CMPS/RinH-I: Causation in Epidemiology (RATs & Practice)	TOPSEVER, DEMİR
11:50 - 12:30	CMPS/RinH-I: Causation in Epidemiology (RATs & Practice)	TOPSEVER, DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 05.01.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	



## 08.01.2024 MONDAY

08:30 - 09:10	CMPS/RinH-I: Causation in Epidemiology-study time for TBL	
09:20 - 10:00	CMPS/RinH-I: Causation in Epidemiology-study time for TBL	
10:10 - 10:50	CMPS/RinH-I: Causation in Epidemiology-study time for TBL	
11:00 - 11:40	Formation of neurulation and organ systems	Serap ARBAK
11:50 - 12:30	Formation of neurulation and organ systems	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Meeting With Mentor	
14:20 - 15:00	Extraembryonic structures	Merve AÇIKEL ELMAS
15:10 - 15:50	Extraembryonic structures	Merve AÇIKEL ELMAS
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 09.01.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Metabolic effects of vitamins and micronutrients	Aysel ÖZPINAR
11:00 - 11:40	Metabolic effects of vitamins and micronutrients	Aysel ÖZPINAR
11:50 - 12:30	Metabolic effects of vitamins and micronutrients	Aysel ÖZPINAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 10.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Biosynthesis of lipids	Fehime AKSUNGAR
10:10 - 10:50	Biosynthesis of lipids	Fehime AKSUNGAR
11:00 - 11:40	CMPS/RinH-I: Literature review practice	Figen DEMİR
11:50 - 12:30	CMPS/RinH-I: Literature review practice	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 11.01.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Development of skin and adnex	Deniz YÜCEL
10:10 - 10:50	Induction mechanisms of embryology	Merve AÇIKEL ELMAS
11:00 - 11:40	Oxidation of lipids	Fehime AKSUNGAR
11:50 - 12:30	Oxidation of lipids	Fehime AKSUNGAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 12.01.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 15.01.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
10:10 - 10:50	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
11:00 - 11:40	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
11:50 - 12:30	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
14:20 - 15:00	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
15:10 - 15:50	Small group discussion related to metabolic diseases	ÖZPINAR, AKSUNGAR, BAYKAL
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 16.01.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/ RinH-I: Research integrity, Publication ethics	Fatih ARTVİNLİ
11:00 - 11:40	CMPS/ RinH-I: Research integrity, Publication ethics	Fatih ARTVİNLİ
11:50 - 12:30	CMPS/ RinH-I: Research integrity, Publication ethics	Fatih ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Stem cells	Deniz YÜCEL
14:20 - 15:00	Stem cells	Deniz YÜCEL
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 17.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED113 Formative Assessment-II	ALTINTAŞ-YÜCEL
14:20 - 15:00	MED113 Formative Assessment-II	ALTINTAŞ-YÜCEL
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 18.01.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 131 Biostatistics Final Examination	
14:20 - 15:00	MED 131 Biostatistics Final Examination	
15:10 - 15:50	MED 131 Biostatistics Final Examination	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 19.01.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I Final Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
10:10 - 10:50	MED 133 Medical English I Final Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
11:00 - 11:40	MED 133 Medical English I Final Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

22.01.2024 MONDAY	
08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

23.01.2024 TUESDAY	
08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	MED 113 MIDTERM EXAMINATION II
15:10 - 15:50	MED 113 MIDTERM EXAMINATION II
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

24.01.2024 WEDNESDAY	
08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

25.01.2024 THURSDAY	
08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	CMPS/R in H-I: Written Examination
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

26.01.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 133 Medical English I	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## SEMESTER

# YEAR 1 SPRING SEMESTER SCHEDULE



## 12.02.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 116 Blood, Immunity and Cancer	Merve ELMAS - Tanıl KOÇAGÖZ
11:00 - 11:40	CMPS/CS: Introduction to communication skills (CS)	"TOPSEVER, ALTINTAŞ, DİNÇ, PARKAN, KİTAPÇIOĞLU"
11:50 - 12:30	Bacterial classification Observation of Microorganisms by Microscopy	Sinem ÖKTEM OKULLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Sterilization and disinfection	Özgür KURT
14:20 - 15:00	Microbial growth cultivation of microorganisms	Sinem ÖKTEM OKULLU
15:10 - 15:50	Microbial growth cultivation of microorganisms	Sinem ÖKTEM OKULLU
16:00 - 16:40	Laboratory safety, collection and transport of specimens	Neval YURTTUTAN UYAR
16:50 - 17:30	Elective Course I / Study time	

## 13.02.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Basic life support -Group 1 (CASE)	Dilek KİTAPÇIOĞLU
10:10 - 10:50	CMPS/CS: Basic life support -Group 1 (CASE)	Dilek KİTAPÇIOĞLU
11:00 - 11:40	CMPS/CS: Basic life support -Group 1 (CASE)	Dilek KİTAPÇIOĞLU
11:50 - 12:30	CMPS/CS: Basic life support -Group 1 (CASE)	Dilek KİTAPÇIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Principles of Medical Microbiology	Tanıl KOÇAGÖZ
14:20 - 15:00	Microbial genetics	Sinem ÖKTEM OKULLU
15:10 - 15:50	Microbial genetics	Sinem ÖKTEM OKULLU
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 14.02.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Microbial pathogenesis	Sinem ÖKTEM OKULLU
10:10 - 10:50	Microbial pathogenesis	Sinem ÖKTEM OKULLU
11:00 - 11:40	Introduction to Elective in Medicine	
11:50 - 12:30	Introduction to Elective in Medicine	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Meeting With Mentor	
14:20 - 15:00	General structures of bacteria, mycoplasma, chlamydia & rickettsiae	Sinem ÖKTEM OKULLU
15:10 - 15:50	General structures of bacteria, mycoplasma, chlamydia & rickettsiae	Sinem ÖKTEM OKULLU
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 15.02.2024 THURSDAY

08:30 - 09:10	Study time	
09:20 - 10:00	Study time	
10:10 - 10:50	CMPS/H&S-I: Intro to Health and society I	Yeşim YASİN
11:00 - 11:40	CMPS/H&S-I: Social Sciences in Health	İnci USER
11:50 - 12:30	CMPS/H&S-I: Focus group discussions on health and illness	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 16.02.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 19.02.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	General structures of fungi	Neval YURTTUTAN UYAR
10:10 - 10:50	General structures of fungi	Neval YURTTUTAN UYAR
11:00 - 11:40	Histology of blood cells	Merve AÇIKEL ELMAS
11:50 - 12:30	Histology of blood cells	Merve AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Hematopoiesis	Deniz YÜCEL
14:20 - 15:00	General structures of viruses	Tanıl KOCAGÖZ
15:10 - 15:50	General structures of viruses	Tanıl KOCAGÖZ
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 20.02.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Basic life support -Group 2 (CASE)	Dilek KİTAPÇIOĞLU
10:10 - 10:50	CMPS/CS: Basic life support -Group 2 (CASE)	Dilek KİTAPÇIOĞLU
11:00 - 11:40	CMPS/CS: Basic life support -Group 2 (CASE)	Dilek KİTAPÇIOĞLU
11:50 - 12:30	CMPS/CS: Basic life support -Group 2 (CASE)	Dilek KİTAPÇIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Functions of the erythrocytes	Hande YAPIŞLAR
14:20 - 15:00	Functions of the leukocytes	Hande YAPIŞLAR
15:10 - 15:50	Functions of the leukocytes	Hande YAPIŞLAR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 21.02.2024 WEDNESDAY

08:30 - 09:10	General structures of parasites	Özgür KURT
09:20 - 10:00	General structures of parasites	Özgür KURT
10:10 - 10:50	General structures of parasites	Özgür KURT
11:00 - 11:40	Histology of the lymphatic organs	Serap ARBAK
11:50 - 12:30	Histology of the lymphatic organs	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 22.02.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/H&S-I: Health, illness, disease and sickness	İnci USER
10:10 - 10:50	CMPS/H&S-I: Social history of disease	İnci USER
11:00 - 11:40	CMPS/H&S-I: Social history of disease	İnci USER
11:50 - 12:30	Blood groups	Hande YAPIŞLAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 23.02.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

26.02.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Biochemical features of blood cells	Meltem KILERCİK
10:10 - 10:50	Biochemical features of blood cells	Meltem KILERCİK
11:00 - 11:40	LAB: Lymphoid organs and blood (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:50 - 12:30	LAB: Lymphoid organs and blood (Group A)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Blood groups and hematocrit (GroupA)	Hande YAPIŞLAR A301
14:20 - 15:00	LAB: Blood groups and hematocrit (GroupA)	Hande YAPIŞLAR A301
15:10 - 15:50	Principles of Immunology	Tanıl KOCAGÖZ
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

27.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
10:10 - 10:50	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
11:00 - 11:40	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
11:50 - 12:30	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Antigens	Sinem ÖKTEM OKULLU
14:20 - 15:00	Antigens	Sinem ÖKTEM OKULLU
15:10 - 15:50	Innate immunity	Neval YURTTUTAN UYAR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

28.02.2024 WEDNESDAY		
08:30 - 09:10	Introduction to PBL	Meltem KOLGAZİ
09:20 - 10:00	Introduction to PBL Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, ÜNÜBOL, NG, KURT
10:10 - 10:50	Introduction to PBL Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, ÜNÜBOL, NG, KURT
11:00 - 11:40	Introduction to PBL Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, ÜNÜBOL, NG, KURT
11:50 - 12:30	Introduction to PBL Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, ÜNÜBOL, NG, KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

29.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/H&S-I: Narratives of ill health	Yeşim YAŞIN
10:10 - 10:50	CMPS/H&S-I: Disease causation theories	USER, TOPSEVER
11:00 - 11:40	CMPS/H&S-I: Disease causation theories	USER, TOPSEVER
11:50 - 12:30	CMPS/H&S-I: Social aspects of the body	İnci USER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

01.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

04.03.2024 MONDAY		
08:30 - 09:10	Study time	
09:20 - 10:00	Complement system	Tanıl KOCAGÖZ
10:10 - 10:50	Complement system	Tanıl KOCAGÖZ
11:00 - 11:40	LAB: Lymphoid organs and blood (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
11:50 - 12:30	LAB: Lymphoid organs and blood (Group B)	ARBAK, YÜCEL, AÇIKEL ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Blood groups and hematocrit (Group B)	Hande YAPIŞLAR
14:20 - 15:00	LAB: Blood groups and hematocrit (Group B)	Hande YAPIŞLAR
15:10 - 15:50	Study time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

05.03.2024 TUESDAY		
08:30 - 09:10	Study time	
09:20 - 10:00	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
10:10 - 10:50	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
11:00 - 11:40	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
11:50 - 12:30	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
14:20 - 15:00	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
15:10 - 15:50	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
16:00 - 16:40	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
16:50 - 17:30	Elective Course I / Study time	

06.03.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Fluorescence applications in medicine	Devrim ÖZ ARSLAN
10:10 - 10:50	Development of the lymphatic organs	Merve AÇIKEL ELMAS
11:00 - 11:40	PBL_Session 1 Meeting rooms	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
11:50 - 12:30	PBL_Session 1 Meeting rooms	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

07.03.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/H&S-I: Basic Health Outcomes and Burden of Disease	Figen DEMİR
10:10 - 10:50	CMPS/H&S-I: Basic Health Outcomes and Burden of Disease	Figen DEMİR
11:00 - 11:40	CMPS/H&S-I: Social determinants of health	İnci USER
11:50 - 12:30	CMPS/H&S-I: Social determinants of health	İnci USER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

08.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	



11.03.2024 MONDAY		
08:30 - 09:10	Study time for PBL	
09:20 - 10:00	Adaptive immunity	Tanıl KOCAGÖZ
10:10 - 10:50	Adaptive immunity	Tanıl KOCAGÖZ
11:00 - 11:40	Study time for PBL	
11:50 - 12:30	Heme synthesis and disorders	Meltem KİLERCİK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Metabolism of oxygen binding proteins	Meltem KİLERCİK
14:20 - 15:00	Metabolism of oxygen binding proteins	Meltem KİLERCİK
15:10 - 15:50	Antibodies	Neval YURTTUTAN UYAR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

12.03.2024 TUESDAY		
08:30 - 09:10	Study time	
09:20 - 10:00	Study time	
10:10 - 10:50	CMPS/H&S-I: Inequalities and inequities 2	Yeşim YAŞIN
11:00 - 11:40	CMPS/H&S-I: Inequalities and inequities 2	Yeşim YAŞIN
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study time	
14:20 - 15:00	LAB: Blood smear (Group A)	Hande YAPIŞLAR
15:10 - 15:50	LAB: Blood smear (Group A)	Hande YAPIŞLAR
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

13.03.2024 WEDNESDAY		
08:30 - 09:10	Study time for PBL	
09:20 - 10:00	PBL_Session 2 Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, NG, KURT
10:10 - 10:50	PBL_Session 2 Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, NG, KURT
11:00 - 11:40	LAB: Blood smear (Group B)	Hande YAPIŞLAR A301
11:50 - 12:30	LAB: Blood smear (Group B)	Hande YAPIŞLAR A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

14.03.2024 THURSDAY		
08:30 - 09:10	Doctors day	
09:20 - 10:00	Doctors day	
10:10 - 10:50	Doctors day	
11:00 - 11:40	Doctors day	
11:50 - 12:30	Doctors day	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

15.03.2024 FRIDAY		
08:30 - 09:10	Study time for PBL	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 18.03.2024 MONDAY

08:30 - 09:10	Study time for PBL	
09:20 - 10:00	MED116 Formative Assessment I	ALTINTAŞ- AÇIKEL ELMAS
10:10 - 10:50	MED116 Formative Assessment I	ALTINTAŞ- AÇIKEL ELMAS
11:00 - 11:40	PBL_Session 3 Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, ÜNÜBOL, NG, KURT
11:50 - 12:30	PBL_Session 3 Meeting rooms	ARSLAN, DEMİR, ERGEN, KOLGAZİ, ÜNÜBOL, NG, KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Immunological diagnostic tools	Neval YURTTUTAN UYAR
14:20 - 15:00	Immunological diagnostic tools	Neval YURTTUTAN UYAR
15:10 - 15:50	Meeting With Mentor	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 19.03.2024 TUESDAY

08:30 - 09:10	CMPS/CS: First Aid lecture (CASE)	Dilek KİTAPÇIOĞLU
09:20 - 10:00	CMPS/CS: First Aid lecture (CASE)	Dilek KİTAPÇIOĞLU
10:10 - 10:50	CMPS/CS: First Aid lecture (CASE)	Dilek KİTAPÇIOĞLU
11:00 - 11:40	CMPS/CS: First Aid lecture (CASE)	Dilek KİTAPÇIOĞLU
11:50 - 12:30	CMPS/CS: First Aid lecture (CASE)	Dilek KİTAPÇIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Hypersensitivity reactions (Immunological approach)	Özgür KURT
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 20.03.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 116 THEORETICAL EXAMINATION I	
10:10 - 10:50	MED 116 THEORETICAL EXAMINATION I	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 21.03.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	TBL Introduction: Function of Platelets and Coagulation Mechanism	
10:10 - 10:50	CMPS/H&S-I: Dialogue of a physician and social scientist	USER, CESUR
11:00 - 11:40	CMPS/H&S-I: Medicine as an Instrument of social control	İnci USER
11:50 - 12:30	CMPS/H&S-I: Medicine as an Instrument of social control	İnci USER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 22.03.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

25.03.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Introduction to Pathology	İlkser AKPOLAT
10:10 - 10:50	Cellular responses to stress and toxic insults	İlkser AKPOLAT
11:00 - 11:40	Cellular responses to stress and toxic insults	İlkser AKPOLAT
11:50 - 12:30	Hypersensitivity reactions	Asiye Işın DOĞAN EKİCİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Immune disorders	Burçin BEKEN
14:20 - 15:00	Laboratory diagnosis of allergic diseases	Mustafa SERTESEER
15:10 - 15:50	Laboratory diagnosis of allergic diseases	Mustafa SERTESEER
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

26.03.2024 TUESDAY		
08:30 - 09:10	TBL study time	
09:20 - 10:00	TBL study time	
10:10 - 10:50	TBL Session: Function of Platelets	YAPIŞLAR, KİLERCİK
11:00 - 11:40	TBL Session: Function of Platelets	YAPIŞLAR, KİLERCİK
11:50 - 12:30	TBL Session: Function of Platelets	YAPIŞLAR, KİLERCİK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Tissue renewal, repair and regeneration	İlkser AKPOLAT
14:20 - 15:00	Tissue renewal, repair and regeneration	İlkser AKPOLAT
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

27.03.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Mechanisms of major anemias	Meltem KİLERCİK
10:10 - 10:50	Mechanisms of major anemias	Meltem KİLERCİK
11:00 - 11:40	Prostaglandins	Abdurrahman COŞKUN
11:50 - 12:30	Prostaglandins	Abdurrahman COŞKUN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

28.03.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Approach to a patient with anemia	Fatma DEMİR YENİGÜRBÜZ
10:10 - 10:50	CMPS/H&S-I:General structure of the health care system in Turkey	Pınar TOPSEVER
11:00 - 11:40	CMPS/H&S-I:General structure of the health care system in Turkey	Pınar TOPSEVER
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

29.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

01.04.2024 MONDAY		
08:30 - 09:10	CMPS/H&S-I: Primary health care in Turkey, Site Visit PC Facilities	TO BE ANNOUNCED IN DUE COURSE
09:20 - 10:00	CMPS/H&S-I: Primary health care in Turkey, Site Visit PC Facilities	TO BE ANNOUNCED IN DUE COURSE
10:10 - 10:50	CMPS/H&S-I: Primary health care in Turkey, Site Visit PC Facilities	TO BE ANNOUNCED IN DUE COURSE
11:00 - 11:40	CMPS/H&S-I: Primary health care in Turkey, Site Visit PC Facilities	TO BE ANNOUNCED IN DUE COURSE
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Cytokines	Sema GENÇ
14:20 - 15:00	Cytokines	Sema GENÇ
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

02.04.2024 TUESDAY		
08:30 - 09:10	TBL study time	
09:20 - 10:00	TBL study time	
10:10 - 10:50	TBL Session: Coagulation Mechanism	YAPIŞLAR, KİLERCİK
11:00 - 11:40	TBL Session: Coagulation Mechanism	YAPIŞLAR, KİLERCİK
11:50 - 12:30	TBL Session: Coagulation Mechanism	YAPIŞLAR, KİLERCİK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Plasma proteins	Abdurrahman COŞKUN
14:20 - 15:00	Plasma proteins	Abdurrahman COŞKUN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

03.04.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	From pathology to disease	Pınar TOPSEVER
11:50 - 12:30	CMPS/H&S-I: Reflection session for site visit	YASIN, DEMİR, TOPSEVER, DİNÇ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

04.04.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	CMPS/H&S: Written Examination	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

05.04.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II Midterm Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU
10:10 - 10:50	MED 134 Medical English II Midterm Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU
11:00 - 11:40	MED 134 Medical English II Midterm Exam	BOWARSHI, DUMAN, KARACİBİÖĞLU
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

08.04.2024 MONDAY	
08:30 - 09:10	Study time
09:20 - 10:00	Study time
10:10 - 10:50	Study time
11:00 - 11:40	Study time
11:50 - 12:30	Study time
12:30 - 13:30	Study time
13:30 - 14:10	Study time
14:20 - 15:00	Study time
15:10 - 15:50	Study time
16:00 - 16:40	Study time
16:50 - 17:30	Study time

09.04.2024 TUESDAY	
08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

10.04.2024 WEDNESDAY	
08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

11.04.2024 THURSDAY	
08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

12.04.2024 FRIDAY	
08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

## 15.04.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Transplantation rejection pathology and autoimmune diseases	İlkser AKPOLAT
10:10 - 10:50	Transplantation rejection pathology and autoimmune diseases	İlkser AKPOLAT
11:00 - 11:40	Introduction to pharmacology and toxicology	Filiz ONAT
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study time	
14:20 - 15:00	Meeting With Mentor	
15:10 - 15:50	TBL: Review of TBL	YAPIŞLAR, KİLERCİK
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 16.04.2024 TUESDAY

08:30 - 09:10	CMPS/CS: Orientation to CS	Levent ALTINTAŞ
09:20 - 10:00	CMPS/CS: Stages of psychosocial development	Nilay PEKEL ULUDAĞLI
10:10 - 10:50	CMPS/CS: Attention, emotion, cognition	Bernis SÜTÇÜBAŞI
11:00 - 11:40	Acute inflammation	Yeşim SAĞLİCAN
11:50 - 12:30	Acute inflammation	Yeşim SAĞLİCAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Chronic inflammation	Yeşim SAĞLİCAN
14:20 - 15:00	Pathology of bone marrow	Ümit İNCE, Nalan NEŞE
15:10 - 15:50	Pathology of bone marrow	Ümit İNCE, Nalan NEŞE
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 17.04.2024 WEDNESDAY

08:30 - 09:10	Study time	
09:20 - 10:00	Biochemical aspects of cell death	Fehime AKSUNGAR
10:10 - 10:50	Biochemical aspects of cell death	Fehime AKSUNGAR
11:00 - 11:40	Cellular quality control mechanisms	Devrim ÖZ ARSLAN
11:50 - 12:30	Cellular quality control mechanisms	Devrim ÖZ ARSLAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 18.04.2024 THURSDAY

08:30 - 09:10	Study time	
09:20 - 10:00	Study time	
10:10 - 10:50	Study time	
11:00 - 11:40	Pathology of bone marrow	Ümit İNCE, Nalan NEŞE
11:50 - 12:30	Pathology of bone marrow	Ümit İNCE, Nalan NEŞE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics Midterm Examination	
14:20 - 15:00	MED 132 Bioinformatics Midterm Examination	
15:10 - 15:50	MED 132 Bioinformatics Midterm Examination	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 19.04.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

22.04.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Definitions and nomenclature of neoplasia, and features of benign and malignant tumors	Cüyan DEMİRKESEN
10:10 - 10:50	CMPS/CS: Basic principles of CS (Assessment & practice in class)	ALTINTAŞ, TOPSEVER
11:00 - 11:40	CMPS/CS: Basic principles of CS (Assessment & practice in class)	ALTINTAŞ, TOPSEVER
11:50 - 12:30	CMPS/CS: Team work study time for CMPS assignment	ALTINTAŞ, TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10		
14:20 - 15:00		
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

23.04.2024 TUESDAY		
08:30 - 09:10	National Sovereignty and Children's Day	
09:20 - 10:00	National Sovereignty and Children's Day	
10:10 - 10:50	National Sovereignty and Children's Day	
11:00 - 11:40	National Sovereignty and Children's Day	
11:50 - 12:30	National Sovereignty and Children's Day	
12:30 - 13:30	National Sovereignty and Children's Day	
13:30 - 14:10	National Sovereignty and Children's Day	
14:20 - 15:00	National Sovereignty and Children's Day	
15:10 - 15:50	National Sovereignty and Children's Day	
16:00 - 16:40	National Sovereignty and Children's Day	
16:50 - 17:30	National Sovereignty and Children's Day	

24.04.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Megaloblastic anemia	Ant UZAY
10:10 - 10:50	Sickle cell anemia	Ant UZAY
11:00 - 11:40	Approach to a patient with bleeding disorders	Ant UZAY
11:50 - 12:30	Thrombophilia and deep venous thrombosis	Ant UZAY
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

25.04.2024 THURSDAY		
08:30 - 09:10	Study time	
09:20 - 10:00	Study time	
10:10 - 10:50	MED 116 Formative Assesment II	ALTINTAŞ- AÇIKEL ELMAS
11:00 - 11:40	MED 116 Formative Assesment II	ALTINTAŞ- AÇIKEL ELMAS
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

26.04.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

29.04.2024 MONDAY		
08:30 - 09:10	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
09:20 - 10:00	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
10:10 - 10:50	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
11:00 - 11:40	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
11:50 - 12:30	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
14:20 - 15:00	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
15:10 - 15:50	CMPS/H&S-I: Poster presentation and evaluation	YASIN, DEMİR, TOPSEVER, ÜLMAN, ARTINLI, DİNÇ, USER
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

30.04.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: How to manage stress (Assessment & practice in class)	ALTINTAŞ, TOPSEVER
10:10 - 10:50	CMPS/CS: How to manage stress (Assessment & practice in class)	ALTINTAŞ, TOPSEVER
11:00 - 11:40	CMPS/CS: Team work study time for CMPS assignment	ALTINTAŞ, TOPSEVER
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

01.05.2024 WEDNESDAY		
08:30 - 09:10	Labor and Solidarity Day	
09:20 - 10:00	Labor and Solidarity Day	
10:10 - 10:50	Labor and Solidarity Day	
11:00 - 11:40	Labor and Solidarity Day	
11:50 - 12:30	Labor and Solidarity Day	
12:30 - 13:30	Labor and Solidarity Day	
13:30 - 14:10	Labor and Solidarity Day	
14:20 - 15:00	Labor and Solidarity Day	
15:10 - 15:50	Labor and Solidarity Day	
16:00 - 16:40	Labor and Solidarity Day	
16:50 - 17:30	Labor and Solidarity Day	

02.05.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 116 THEORETICAL EXAMINATION II	
10:10 - 10:50	MED 116 THEORETICAL EXAMINATION II	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

03.05.2024 FRIDAY		
08:30 - 09:10	Study time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	



06.05.2024 MONDAY		
08:30 - 09:10		
09:20 - 10:00	Electromagnetic spectrum	Evren KILINÇ
10:10 - 10:50	Radioactivity and decay law	Beki KAN
11:00 - 11:40	Characteristics of benign and malignant tumors, definition of terms dysplasia, metaplasia and anaplasia	Cüyan DEMİRKESEN
11:50 - 12:30	Rate of growth, cancer stem cells and cancer cell Lineages, local invasion and metastasis	Cüyan DEMİRKESEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Molecular basis of hematological malignancies	Cemaliye AKYERLİ BOYLU
14:20 - 15:00	Molecular basis of hematological malignancies	Cemaliye AKYERLİ BOYLU
15:10 - 15:50	Iron deficiency in PHC	Demet DİNÇ
16:00 - 16:40	Asos	
16:50 - 17:30	Elective Course I / Study time	

07.05.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Cancer epidemiology and etiology	Yeşim YASİN
10:10 - 10:50	CMPS/CS: Empathy (Assessment & practice in class)	ALTINTAŞ, DİNÇ, TOPSEVER
11:00 - 11:40	CMPS/CS: Empathy (Assessment & practice in class)	ALTINTAŞ, DİNÇ, TOPSEVER
11:50 - 12:30	Epidemiology, environmental factors, heredity and familial cancer syndromes, predisposing conditions and premalignant disorders	Cüyan DEMİRKESEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	General principles of molecular basis of cancer and oncogenes	Cüyan DEMİRKESEN
14:20 - 15:00	Tumor suppressor genes and genes that regulate apoptosis and DNA repair	Cüyan DEMİRKESEN
15:10 - 15:50	Molecular basis of hemoglobinopathies	Cemaliye AKYERLİ BOYLU
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

08.05.2024 WEDNESDAY		
08:30 - 09:10	study time	
09:20 - 10:00	Angiogenesis, metastatic cascade, chemical, radiation, viral and microbial carcinogenesis and carcinogenic agents	Cüyan DEMİRKESEN
10:10 - 10:50	Host defense against tumor	Cüyan DEMİRKESEN
11:00 - 11:40	Mechanisms of neoplasia and tumor markers	Fehime AKSUNGAR
11:50 - 12:30	Mechanisms of neoplasia and tumor markers	Fehime AKSUNGAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

09.05.2024 THURSDAY		
08:30 - 09:10		
09:20 - 10:00	Effects of tumor on host, clinical aspects of the neoplasia, grading and staging of tumors	Cüyan DEMİRKESEN
10:10 - 10:50	Types of radiation	Beki KAN
11:00 - 11:40	Physical half-life, biological half life	Beki KAN
11:50 - 12:30	Benign lymph node diseases	Ümit İNCE, Nalan NEŞE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

10.05.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 13.05.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Interaction of radiation with matter	Devrim ÖZ ARSLAN
10:10 - 10:50	Interaction of radiation with matter	Devrim ÖZ ARSLAN
11:00 - 11:40	Lymphoid neoplasms	Ümit İNCE, Nalan NEŞE
11:50 - 12:30	Lymphoid neoplasms	Ümit İNCE, Nalan NEŞE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Lymphoid neoplasms	Ümit İNCE, Nalan NEŞE
14:20 - 15:00	Lymphoid neoplasms	Ümit İNCE, Nalan NEŞE
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 14.05.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Doctor patient relationship (Assessment & practice in class)	ALTINTAŞ, PARKAN, TOPSEVER
10:10 - 10:50	CMPS/CS: Doctor patient relationship (Assessment & practice in class)	ALTINTAŞ, PARKAN, TOPSEVER
11:00 - 11:40	CMPS/CS: Team work study time for CMPS assignment	ALTINTAŞ, PARKAN, TOPSEVER
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Dosimetry, basic concepts	Devrim ÖZ ARSLAN
14:20 - 15:00	Molecular and radiobiological behavior	Devrim ÖZ ARSLAN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 15.05.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Molecular Pathology	Sibel ERDAMAR
10:10 - 10:50	Molecular Pathology	Sibel ERDAMAR
11:00 - 11:40	Effects of ionizing radiation on the cell and organism	Devrim ÖZ ARSLAN
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 16.05.2024 THURSDAY

08:30 - 09:10	Study time	
09:20 - 10:00	Study time	
10:10 - 10:50	Study time	
11:00 - 11:40	Study time	
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 17.05.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

20.05.2024 MONDAY		
08:30 - 09:10	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YASİN, DİNÇ.PARKAN
09:20 - 10:00	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YASİN, DİNÇ.PARKAN
10:10 - 10:50	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YASİN, DİNÇ.PARKAN
11:00 - 11:40	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YASİN, DİNÇ.PARKAN
11:50 - 12:30	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YASİN, DİNÇ.PARKAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Hereditary cancers	Özden HATIRNAZ NG
14:20 - 15:00	Meeting With Mentor	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

21.05.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Team communication (Assessment & practice in class)	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
10:10 - 10:50	CMPS/CS: Team communication (Assessment & practice in class)	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
11:00 - 11:40	CMPS/CS: Team work study time for CMPS assignment	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
11:50 - 12:30	CMPS/CS: Team work study time for CMPS assignment	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Cancer prevention (periodical health examination and screening)	Pınar TOPSEVER
14:20 - 15:00	International classification of functionality	Efe ONGANER
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

22.05.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

23.05.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 132 Bioinformatics	
14:20 - 15:00	MED 132 Bioinformatics	
15:10 - 15:50	MED 132 Bioinformatics	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

24.05.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 27.05.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 116 Formative Assessment III	ALTINTAŞ-AÇIKEL ELMAS
10:10 - 10:50	MED 116 Formative Assessment III	ALTINTAŞ-AÇIKEL ELMAS
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 28.05.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Leadership	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
10:10 - 10:50	CMPS/CS: Leadership	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
11:00 - 11:40	CMPS/CS: Student group performances (Assessment & practice in class)	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
11:50 - 12:30	CMPS/CS: Student group performances (Assessment & practice in class)	ALTINTAŞ, TOPSEVER, DİNÇ, PARKAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 29.05.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 30.05.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course I / Study time	
16:50 - 17:30	Elective Course I / Study time	

## 31.05.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 03.06.2024 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	MED 116 THEORETICAL EXAMINATION III
15:10 - 15:50	MED 116 THEORETICAL EXAMINATION III
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 04.06.2024 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 05.06.2024 WEDNESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Meeting With Mentor
12:30 - 13:30	Lunch Time
13:30 - 14:10	Elective in Medicine
14:20 - 15:00	Elective in Medicine
15:10 - 15:50	Elective in Medicine
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 06.06.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	MED 132 Bioinformatics Final Examination
14:20 - 15:00	MED 132 Bioinformatics Final Examination
15:10 - 15:50	MED 132 Bioinformatics Final Examination
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 07.06.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II Final Exam	BOWARSHI, DUMAN, KARACIBIOĞLU
10:10 - 10:50	MED 134 Medical English II Final Exam	BOWARSHI, DUMAN, KARACIBIOĞLU
11:00 - 11:40	MED 134 Medical English II Final Exam	BOWARSHI, DUMAN, KARACIBIOĞLU
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	

## 10.06.2024 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 11.06.2024 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 12.06.2024 WEDNESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Elective in Medicine
14:20 - 15:00	Elective in Medicine
15:10 - 15:50	Elective in Medicine
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 13.06.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Elective Course I / Study time
16:50 - 17:30	Elective Course I / Study time

## 14.06.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBIOĞLU Zoom
10:10 - 10:50	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBIOĞLU Zoom
11:00 - 11:40	MED 134 Medical English II	BOWARSHI, DUMAN, KARACIBIOĞLU Zoom
11:50 - 12:30	Elective Course I / Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
14:20 - 15:00	Atatürk's Principles and History of Revolution	Özgür Mutlu ULUS KARADAĞ UZEM
15:10 - 15:50	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:00 - 16:40	Turkish Language and Literature	Hülya DÜNDAR ŞAHİN UZEM
16:50 - 17:30	Elective Course I / Study time	



YEAR

II



## YEAR II - COURSES (2023-2024)

"COURSE CATEGORY"	CODE	COURSE NAME	Theoretical Hours				Practical Hours				Instructional Time	Study Time	TOTAL (Student work-load)	National Credits	ECTS
			Lecture	SCLA	Sub Total	Lab study	Field study	Simulated Clinical Practice	Clinical Practice	Sub Total					
Integrated Medical Courses	MED 211	Cell and Tissue Injury-II	48	34	82	22					104	60	164	7	6
	MED 213	Musculoskeletal System and Related Disorders	94	12	106	23					129	70	199	8	7
	MED 212	Nervous System and Related Disorders	136	19	155	15					170	170	340	13	13
	MED 214	Growth, Development and Endocrine Disorders	45	13	58	4					62	60	122	5	5
	<b>BSC 2</b>	<b>TOTAL</b>	<b>323</b>	<b>78</b>	<b>401</b>	<b>64</b>					<b>465</b>	<b>360</b>	<b>825</b>	<b>33</b>	<b>31</b>
Clinical Medicine & Professional Skills (CMPS) Program	MED 221	Research in Health-II	22	23	45	24	33				102	220	322	5	12
	MED 222	Medical Ethics and Humanities-II	12	12	24						24	50	74	2	3
	CMPS 2	<b>TOTAL</b>	<b>34</b>	<b>35</b>	<b>69</b>	<b>24</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>126</b>	<b>270</b>	<b>396</b>	<b>7</b>	<b>15</b>	
	EWED 201	Electives in Medicine-II	7	14	21	14	14				49	60	109	2	4
Complementary Medical Courses (CMC)	EWED 202	Electives in Medicine-III	7	14	21	14	14				49	60	109	2	4
	MED 233	Medical English-III	28	0	28	14					42	20	62	3	2
	MED 234	Medical English-IV	28	0	28	14					42	20	62	3	2
Common Courses (CC)	ELE 297	Elective Course-III	28	0	28						28	5	33	2	1
	ELE 298	Elective Course-IV	28	0	28						28	5	33	2	1
<b>TOTAL</b>			<b>483</b>	<b>141</b>	<b>624</b>	<b>144</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>829</b>	<b>800</b>	<b>1629</b>	<b>54</b>	<b>60</b>	

**SCLA:** Student Centered Learning Activities (Problem-Based Learning (PBL), Team Based learning (TBL), Case Based Learning (CBL), Flipped Classroom, Workshops.)

**Field Study:** Site visits, Studies in the community, Working in primary care.

**Lab Study:** Practices in Basic Science and Computer Labs.

**Simulated Clinical Practice:** Practices in clinical skills labs. (CASE)

**Clinical Practice:** Bed side, Outpatient clinic, Operation room.

**Study Time:** Self Directed Learning, Preparation.



Course Name	Microorganisms and Infection	MED 211
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year II / Fall
Course Dates	12.12.2023 – 26.01.2024

Theoretical Hours	82	Credit 7	ECTS 6
Practical Hours	22		
Study Hours	60		
TOTAL HOURS	164		

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<b>Educational Methods</b>	<b>Lectures and Lab Study</b>
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### Course Aims

The aim of this subject committee is to provide necessary knowledge about the basic mechanisms of infection and describe the general features of clinically important microorganisms.

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Classify infectious microorganisms and define their pathogenic features
2. Describe bacterial, viral, fungal and parasitic infections and their disease causing mechanisms
3. Apply laboratory methods for the diagnosis of infectious agents
4. Explain the basic pharmacokinetic and pharmacodynamics principles of drugs used in the treatment of infectious disease
5. Explain pharmacological features of agents against infectious and neoplastic diseases
6. Explain the epidemiology and prevention of infectious diseases
7. Define normal human microbiota

<b>Assessment Methods</b>	<b>Written examination, case analyses, standardized evaluation of projects and performances and group presentations of assignments.</b>
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Course Name	Nervous System and Related Diseases	MED 212
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year II / Spring
Course Dates	12.02.2024 – 10.05.2024

Theoretical Hours	155	Credit 13	ECTS 13
Practical Hours	15		
Study Hours	170		
TOTAL HOURS	340		

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**\*Visiting Professor**

<b>Educational Methods</b>	<b>Lectures and Lab Study</b>
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**Course Aims**

The aim of this course is to provide knowledge about the normal structure and function of the nervous. It also aims to explain pathological changes in these structures and relate them with common nervous system diseases.

**Learning Outcomes**

By the end of this course, the students will be able to:

1. Explain the cellular and molecular structure and developmental processes of the nervous system
2. Use the terminology of the nervous system
3. Describe the parts of the nervous system, their structures and localizations, their relations with each other
4. Explain the functions of the nervous system
5. Explain the basic histopathologic changes of the nervous system
6. Describe infectious agents associated with the nervous system, explain the pathological changes they make, and associate them with clinical information
7. Describe the disorders of the nervous system with clinical knowledge of the occurrence of diseases
8. Describe pharmacological approaches to functional changes of the nervous system
9. Explain the biophysical mechanisms of senses.

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations</b>
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Course Name	Musculoskeletal System and Related Disorders	MED 213
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year II / Fall
Course Dates	25.09.2023 – 11.12.2023

Theoretical Hours	106	Credit 8	ECTS 7
Practical Hours	23		
Study Hours	70		
TOTAL HOURS	199		

### Course Chairs

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\*Visiting Professor

<b>Educational Methods</b>	<b>Lectures , Team based learning, Lab Study</b>
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### Course Aims

The aim of this course is to provide knowledge about the normal structure and function of the musculoskeletal system. It also aims to explain pathological changes in these structures and associate them with common musculoskeletal diseases.

### Learning Outcomes

By the end of this course, the students will be able to:

1. Describe the structure and biomechanics of the musculoskeletal system
2. Explain the structure and function of the neuromuscular junction
3. Cite the steps of the mechanism of muscle contraction
4. Explain the effect of the peripheral nervous system on the locomotor system
5. Define the bone metabolism and related pathological changes
6. Describe common musculoskeletal system traumas and the pathological changes that they entail
7. Explain non-traumatic pathological changes in the bone, joint, and soft tissue
8. Explain the pharmacological approaches to the disorders of the musculoskeletal system
9. Associate the defects in the normal structure and function of the musculoskeletal system with common disorders and clinical cases

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations</b>
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Course Name	Growth, Development and Endocrine Disorders	MED 214
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year II / Spring
Course Dates	13.05.2024 – 14.06.2024

Theoretical Hours	58	Credit 5	ECTS 5
Practical Hours	4		
Study Hours	60		
TOTAL HOURS	122		

### Course Chairs

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Medical Education Form No 01/A (MED 01/A) V1.0



<b>Educational Methods</b>	<b>Lectures, Lab Study, Panels, Problem Based Learning Sessions and Team Based Learning Sessions</b>
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### Course Aims

The aim of this course is to provide knowledge about the normal growth and development processes and normal structure and function of the endocrine. It also aims to explain pathological changes in these processes and structures and associate them with common growth, development and endocrine system diseases

### Learning Outcomes

By the end of this subject committee, the students will be able to:

1. Explain the structures, macroscopic and microscopic properties of the structures forming the endocrine system and their development processes.
2. Explain structures, classification, effect mechanisms and functions of hormones
3. Explain normal growth and development processes
4. Classify the disorders that may occur in the endocrine system, explain the pathological changes and associate them with the basic clinical diseases.
5. Describe the growth and developmental disorders, explain the pathological changes and clinical implications associated with them
6. Explains the pharmacological approach and prevention methods to endocrine system related disorders

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations, Active Attendance/ Performance Assessment</b>
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<b>Course Name</b>	Research in Health -II	<b>MED 221</b>
<b>Course Category</b>	Clinical Medicine and Professional Skills	<b>CMPS</b>

<b>Course Type</b>	<b>Compulsory</b>
<b>Medium of Instruction</b>	<b>English</b>
<b>Year / Semester</b>	<b>Year II / Fall</b>
<b>Course Dates</b>	<b>03.10.2023 – 19.01.2024</b>

<b>Theoretical Hours</b>	<b>45</b>	<b>Credit</b> <b>5</b>	<b>ECTS</b> <b>12</b>
<b>Practical Hours</b>	<b>57</b>		
<b>Study Hours</b>	<b>220</b>		
<b>TOTAL HOURS</b>	<b>322</b>		

#### Course Chairs

**Pınar TOPSEVER**  
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**Figen DEMİR**  
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#### Faculty

**Pınar TOPSEVER**  
M.D., Prof. Family Medicine

**Demet DİNÇ**  
M.D., Instructor Family Medicine

**Şirin PARKAN**  
M.D., Instructor Family Medicine

**Figen DEMİR**  
M.D., Assoc. Prof. Public Health

**Yeşim YASİN**  
M.A, MSc. Ph.D., Assoc. Prof. Public Health

**Yeşim Işıl ÜLMAN**  
Ph.D., Prof. History of Medicine and Ethics

**Melike ŞAHİNER**  
M.D., MSc., Ph.D., Assoc. Prof. Medical Education

**Filiz ONAT**  
M.D., Prof. Pharmacology

<b>Educational Methods</b>	<b>Interactive lectures, field studies, group assignments, group presentations, peer group learning experiences, simulated patient encounters</b>
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### Course Aims

This course aims to;

**Research in Health**

to create a learning opportunity for students to gain knowledge and skills related to planning and conducting a medical research project.

**Clinical Communication Skills:** “History Taking”

- Communicating effectively with patients, their relatives and carers
- Taking a medical history in a patient-centred manner

### Learning Outcomes

By the end of this course, the students will be able to:

**Research in health:**

- Formulate a simple relevant research question in biomedical, psychosocial or population science
- Design an appropriate study or experiment to address the question
- Plan a data collection method and develop necessary tools depending on the nature of information
- Explain the ethical and legal issues involved in medical research
- Write a research proposal
- Perform the designed study and analyze the collected data
- Present the results

**Clinical and Communication Skills:**

- Name the steps and define the structure of a medical patient interview
- Demonstrate active listening skills during physician-patient encounter
- Demonstrate non-verbal communication skills during physician-patient encounter
- Use empathy in a medical encounter to build up an effective physician-patient relationship
- Communicate effectively, sensitively and clearly
- Display a compassionate and patient-centred approach based on humanistic-ethical values and respect for others when communicating with patients and/or with persons in their social environment

<b>Assessment Methods</b>	<b>Written examination, standardized evaluation of projects and performances and group presentations of assignments, participation SP encounters and SP practiced exam.</b>
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Course Name	Medical Ethics & Humanities-II	MED 222
Course Category	Clinical Medicine and Professional Skills	CMPS

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year II / Spring
Course Dates	13.02.2024 – 14.05.2024

Theoretical Hours	31	Credit 2	ECTS 3
Practical Hours	0		
Study Hours	42		
TOTAL HOURS	73		

#### Course Chairs

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#### Faculty

**Yeşim Işıl ÜLMAN**  
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**Fatih ARTVİNLİ**  
*Ph.D., Assoc. Prof. History of Medicine and Ethics*

<b>Educational Methods</b>	<b>Lectures, case studies, class discussions.</b>
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**Course Aims**

This course aims to create a learning opportunity for students to

- understand the rights of patients, responsibilities of physicians and comprehend the beginning and end of life issues

**Learning Outcomes**

By the end of this subject committee, the students will be able to:

- Discuss and demonstrate awareness of ethical, moral and legal responsibilities of physicians involved in providing care to individual patients and communities
- Demonstrate her/his acceptance for compassion, respect of privacy and dignity of others in their professional life
- Demonstrate her/his acceptance for non-discrimination
- Be aware of the necessity for physicians being a role model of integrity, honesty and probity
- Accept the importance of appropriate consent
- Describe patient rights and explain the context
- Explain the evolution of patient rights
- Analyze ethical and moral dilemmas and legal and psychosocial dimensions of beginning and end of life
- Be familiar with the main documents of Patient Rights in Turkey
- Be aware of ethical conflicts due to new medical technologies such as organ transplantation, new reproductive techniques and genetics

<b>Assessment Methods</b>	<b>Written examination, case analyses</b>
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Course Name	Medical English III & IV	MED 233 - 234
Course Category	Complementary Medical Courses	CMC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year II / Fall & Spring
Course Dates	...

Theoretical Hours	56	Credit 6	ECTS 4
Practical Hours	28		
Study Hours	40		
TOTAL HOURS	124		

#### Course Chairs

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#### Faculty

**Nafiye Çiğdem AKTEKİN**  
PhD., Academic English Program  
Coordinator

**Motassem BOWARSHI**  
Instructor, Foreign Languages

**Beyza KARACİBİOĞLU**  
Instructor, Foreign Languages

**Serdar DUMAN**  
Instructor, Foreign Languages

<b>Educational Methods</b>	The course will present authentic medical materials in a variety of formats with the intention of developing high level skills in reading, writing, listening and speaking English as it is used internationally in all the commonly encountered aspects of Medicine, both academic and clinical. Students will be expected to participate individually and in group work.
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### Course Aims

This course aims To prepare students to function to a high level in the contemporary international field of Medicine by developing the necessary linguistic knowledge and skills to achieve this.

### Learning Outcomes

By the end of this course, the students will be able to :

Demonstrate competence in reading, writing, listening to and speaking English at a level compatible with today's requirements for doctors operating in the International field of Healthcare.

<b>Assessment Methods</b>	The assessment is both ongoing (formative) and final (summative). Students will need to keep careful and contemporaneous records of their learning and they will be assessed on the quality of their documentation. There will be several progress tests and a final exam covering all four main skill areas as well as grammatical and lexical knowledge.
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# YEAR 2 FALL SEMESTER SCHEDULE





25.09.2023 MONDAY		
08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50	Introduction to Year II	Zeynep DURER
11:00 - 11:40	Introduction to MED 213 Musculoskeletal System	Elif KESKİNÖZ- Arel GERELİ
11:50 - 12:30	Histology of cartilage	Merve AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Human anatomy; general considerations	Alp BAYRAMOĞLU
14:20 - 15:00	Musculoskeletal system; general considerations	Elif KESKİNÖZ
15:10 - 15:50	Musculoskeletal system; general considerations	Elif KESKİNÖZ
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

26.09.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS: Introduction to CMPS	TOPSEVER, DEMİR
10:10 - 10:50	Meeting With Mentor	
11:00 - 11:40	Histology of bone and osteogenesis	Deniz YÜCEL
11:50 - 12:30	Histology of bone and osteogenesis	Deniz YÜCEL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

27.09.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Introduction to the Anatomy TBL and FC Sessions	Mustafa AKTEKİN
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Introduction to Elective in Medicine	
14:20 - 15:00	Introduction to Elective in Medicine	
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

28.09.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL 1 Study Time: Upper Extremity Bones	
10:10 - 10:50	TBL 1 Study Time: Upper Extremity Bones	
11:00 - 11:40	Biomechanics of muscle contraction	Beki KAN
11:50 - 12:30	Biomechanics of muscle contraction	Beki KAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Vectors, forces and Newton's Law	Zeynep DURER
14:20 - 15:00	Vectors, forces and Newton's Law	Zeynep DURER
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

29.09.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Histology of cartilage and bone_ Group A	ARBAK, YÜCEL, A.ELMAS A301
10:10 - 10:50	LAB: Histology of cartilage and bone_ Group A	ARBAK, YÜCEL, A.ELMAS A301
11:00 - 11:40	LAB: Histology of cartilage and bone_ Group B	ARBAK, YÜCEL, A.ELMAS A301
11:50 - 12:30	LAB: Histology of cartilage and bone_ Group B	ARBAK, YÜCEL, A.ELMAS A301
12:30 - 13:30	Lunch Time	
13:30 - 14:10	TBL 1 Study Time: Upper Extremity Bones	
14:20 - 15:00	Bone cycle and biomarkers	Fehime AKSUNGAR
15:10 - 15:50	Calcium homeostasis	Fehime AKSUNGAR
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

02.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Collagen structure and synthesis	Fehime AKSUNGAR
10:10 - 10:50	Collagen structure and synthesis	Fehime AKSUNGAR
11:00 - 11:40	Histology of muscle	Serap ARBAK
11:50 - 12:30	Histology of muscle	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Anatomy Laboratory Introduction	Mustafa AKTEKİN
14:20 - 15:00	TBL 1 Group Study Time: Upper Extremity Bones	Anatomy Lab
15:10 - 15:50	Biochemistry of synovial fluid	Fehime AKSUNGAR
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

03.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/RinH-II: Introduction to Research in Health and research process	Figen DEMİR
11:50 - 12:30	CMPS/RinH-II: Formulating a research question	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

04.10.2023 WEDNESDAY		
08:30 - 09:10	TBL 1: Readiness test "upper extremity bones"	Alp BAYRAMOĞLU
09:20 - 10:00	TBL 1 LAB: Upper extremity bones Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	TBL 1 LAB: Upper extremity bones Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	TBL 1 LAB: Upper extremity bones Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 1 LAB: Upper extremity bones Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

05.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Muscle proteins	Fehime AKSUNGAR
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Bioenergetics of muscle contraction	Beki KAN
14:20 - 15:00	Bioenergetics of muscle contraction	Beki KAN
15:10 - 15:50	Physiology of muscle contraction (skeletal and smooth)	Meltem KOLGAZİ
16:00 - 16:40	Physiology of muscle contraction (skeletal and smooth)	Meltem KOLGAZİ
16:50 - 17:30	Study Time	

06.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL 2 Study Time: Lower Extremity Bones	
10:10 - 10:50	TBL 2 Study Time: Lower Extremity Bones	
11:00 - 11:40	Pharmacokinetics: Drug absorption and distribution	Filiz ONAT
11:50 - 12:30	Pharmacokinetics: Drug absorption and distribution	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Histology of muscle_ Group B	ARBAK, YÜCEL, A.ELMAS A301
14:20 - 15:00	LAB: Histology of muscle_ Group B	ARBAK, YÜCEL, A.ELMAS A301
15:10 - 15:50	LAB: Histology of muscle_ Group A	ARBAK, YÜCEL, A.ELMAS A301
16:00 - 16:40	LAB: Histology of muscle_ Group A	ARBAK, YÜCEL, A.ELMAS A301
16:50 - 17:30	Study Time	

09.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL 2 Study Time: Lower Extremity Bones	
10:10 - 10:50	TBL 2 Study Time: Lower Extremity Bones	
11:00 - 11:40	Pharmacokinetics: Drug metabolism and elimination	Filiz ONAT
11:50 - 12:30	Pharmacokinetics: Drug metabolism and elimination	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	TBL 2 Group Study Time: Lower Extremity Bones	Anatomy Lab
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

10.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Regulation and control of muscle contraction	Meltem KOLGAZİ
10:10 - 10:50	Regulation and control of muscle contraction	Meltem KOLGAZİ
11:00 - 11:40	CMPS/RinH-II: Identifying variables	Pınar TOPSEVER
11:50 - 12:30	CMPS/RinH-II: Main types of scientific research	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

11.10.2023 WEDNESDAY		
08:30 - 09:10	TBL 2: Readiness test " Lower Extremity Bones"	Alp BAYRAMOĞLU
09:20 - 10:00	TBL 2 LAB: Lower Extremity Bones Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	TBL 2 LAB: Lower Extremity Bones Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	TBL 2 LAB: Lower Extremity Bones Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 2 LAB: Lower Extremity Bones Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

12.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Infections of the soft tissue	Hülya KUŞOĞLU
10:10 - 10:50	Infections of the soft tissue	Hülya KUŞOĞLU
11:00 - 11:40	Work, energy, and power	Zeynep DURER
11:50 - 12:30	Work, energy, and power	Zeynep DURER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

13.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL 3 Study Time: Splanchnocranium & Neurocranium & Skull (Normas)	
10:10 - 10:50	TBL 3 Study Time: Splanchnocranium & Neurocranium & Skull (Normas)	
11:00 - 11:40	TBL 3 Study Time: Splanchnocranium & Neurocranium & Skull (Normas)	
11:50 - 12:30	TBL 3 Study Time: Splanchnocranium & Neurocranium & Skull (Normas)	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/CS: Basic life support -Group 1 (CASE)	
14:20 - 15:00	CMPS/CS: Basic life support -Group 1 (CASE)	
15:10 - 15:50	CMPS/CS: Basic life support -Group 1 (CASE)	
16:00 - 16:40	CMPS/CS: Basic life support -Group 1 (CASE)	
16:50 - 17:30	Study Time	

16.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Basic life support -Group 2 (CASE)	
10:10 - 10:50	CMPS/CS: Basic life support -Group 2 (CASE)	
11:00 - 11:40	CMPS/CS: Basic life support -Group 2 (CASE)	
11:50 - 12:30	CMPS/CS: Basic life support -Group 2 (CASE)	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Development of skeletal system	Merve AÇIKEL ELMAS
14:20 - 15:00	Development of skeletal system	Merve AÇIKEL ELMAS
15:10 - 15:50	Meeting With Mentor	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

17.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/RinH-II: Qualitative studies	Yeşim YASIN
11:50 - 12:30	CMPS/RinH-II:Cross-sectional studies	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
16:00 - 16:40	TBL 3 Group Study Time: Skull	Anatomy Lab
16:50 - 17:30	Study Time	

18.10.2023 WEDNESDAY		
08:30 - 09:10	TBL 3: Readiness test "Splanchnocranium & Neurocranium & Skull (Normas)"	Elif KESKİNÖZ
09:20 - 10:00	TBL 3 LAB: Splanchnocranium & Neurocranium & Skull (Normas) Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	TBL 3 LAB: Splanchnocranium & Neurocranium & Skull (Normas) Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	TBL 3 LAB: Splanchnocranium & Neurocranium & Skull (Normas) Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 3 LAB: Splanchnocranium & Neurocranium & Skull (Normas) Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

19.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL 4 Study Time: Vertebrae , Ribs, Sternum	
10:10 - 10:50	TBL 4 Study Time: Vertebrae , Ribs, Sternum	
11:00 - 11:40	Gravity, equilibrium, torque	Evren KILINÇ
11:50 - 12:30	Equilibrium of the body	Evren KILINÇ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
15:10 - 15:50	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
16:00 - 16:40	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU
16:50 - 17:30	CMPS/CS: Basic life support -Group 3 (CASE)	Dilek KİTAPÇIOĞLU

20.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	TBL 4 Study Time: Vertebrae , Ribs, Sternum	
11:00 - 11:40	TBL 4 Study Time: Vertebrae , Ribs, Sternum	
11:50 - 12:30	TBL 4 Group Study Time: Vertebrae , Ribs, Sternum	Anatomy Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
14:20 - 15:00	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
15:10 - 15:50	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
16:00 - 16:40	CMPS/CS: Basic life support -Group 4 (CASE)	Dilek KİTAPÇIOĞLU
16:50 - 17:30	Study Time	

23.10.2023 MONDAY		
08:30 - 09:10	TBL 4 : Readiness test "Vertebrae , Ribs, Sternum"	Mustafa AKTEKİN
09:20 - 10:00	TBL 4 LAB: Vertebrae, Ribs, Sternum Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	TBL 4 LAB: Vertebrae, Ribs, Sternum Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	TBL 4 LAB: Vertebrae, Ribs, Sternum Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 4 LAB: Vertebrae, Ribs, Sternum Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Joints of Upper Extremity	Mustafa AKTEKİN
14:20 - 15:00	Joints of Upper Extremity	Mustafa AKTEKİN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

24.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Joints of Upper Extremity_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Joints of Upper Extremity_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	CMPS/RinH-II: Case control studies	Pınar TOPSEVER
11:50 - 12:30	CMPS/RinH-II:Cohort studies	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Bone fracture healing	Özlem AYDIN
16:50 - 17:30	Study Time	

25.10.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Joints of Lower Extremity	Elif KESKİNÖZ
11:50 - 12:30	Joints of Lower Extremity	Elif KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

26.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Physical principles of CT, MRI and ultrasonography	Evren KILINÇ
11:00 - 11:40	EMG	Evren KILINÇ
11:50 - 12:30	Fractures, general principles	Buğra ALPHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Joints of lower extremity_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
14:20 - 15:00	LAB: Joints of lower extremity_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	FC1: Study Time: Shoulder, axillary & pectoral regions and breast	
16:00 - 16:40	FC1: Study Time: Shoulder, axillary & pectoral regions and breast	
16:50 - 17:30	Study Time	

27.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	FC1: Group Study Time: Shoulder, axillary & pectoral regions and breast	Anatomy Lab
11:00 - 11:40	Joints of Axial Skeleton	Alp BAYRAMOĞLU
11:50 - 12:30	Joints of Axial Skeleton	Alp BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

30.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Joints of Axial Skeleton_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Joints of Axial Skeleton_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	Superficial back	Alp BAYRAMOĞLU
11:50 - 12:30	Etiologies of bone and joint infections	Serap GENÇER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC1 Study Time: Anterior and posterior aspect of arm and cubital fossa	
14:20 - 15:00	FC1 Group Study Time: Anterior and posterior aspect of arm and cubital fossa	Anatomy Lab
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

31.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/RinH-II:Experimental studies	Figen DEMİR
11:50 - 12:30	CMPS/RinH-II:Experimental studies	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

01.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	FC1 Discussion: Shoulder, axillary & pectoral regions, breast & anterior and posterior aspect of arm and cubital fossa	Alp BAYRAMOĞLU
11:50 - 12:30	FC1 Discussion: Shoulder, axillary & pectoral regions, breast & anterior and posterior aspect of arm and cubital fossa	Alp BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

02.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
10:10 - 10:50	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
11:00 - 11:40	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
11:50 - 12:30	CMPS/CS: Basic life support -Group 5 (CASE)	Dilek KİTAPÇIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Superficial back, Shoulder, axillary & pectoral regions, breast, shoulder region_B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
14:20 - 15:00	LAB: Anterior and posterior aspect of arm and cubital fossa_B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	LAB: Superficial back, Shoulder, axillary & pectoral regions, breast, shoulder region_A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	LAB: Anterior and posterior aspect of arm and cubital fossa_A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	Study Time	

03.11.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Formative Assessment I	ALTINTAŞ, KESKİNÖZ
11:00 - 11:40	Formative Assessment I	ALTINTAŞ, KESKİNÖZ
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/CS: First Aid lecture (CASE)	
14:20 - 15:00	CMPS/CS: First Aid lecture (CASE)	
15:10 - 15:50	CMPS/CS: First Aid lecture (CASE)	
16:00 - 16:40	CMPS/CS: First Aid lecture (CASE)	
16:50 - 17:30	Study Time	

## 06.11.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	MED 213 PRATICAL EXAMINATION I	
11:00 - 11:40	MED 213 PRATICAL EXAMINATION I	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	MED 213 THEORETICAL EXAMINATION I	
15:10 - 15:50	MED 213 THEORETICAL EXAMINATION I	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

## 07.11.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/RinH-II:Animal studies	Melike ŞAHİNER
10:10 - 10:50	CMPS/RinH-II:Clinical & drug research	Filiz ONAT
11:00 - 11:40	Work related musculoskeletal disorders (ergonomy)	Yeşim YASIN
11:50 - 12:30	Pharmacodynamics: Principles of drug actions	Emel BALOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III Midterm Exam	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III Midterm Exam	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III Midterm Exam	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	FC2 Study Time: Anterior and posterior aspect of forearm and Hand	
16:50 - 17:30	FC2 Study Time: Anterior and posterior aspect of forearm and Hand	

## 08.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Pharmacodynamics:drug receptor interactions and dose-response relations	Emel BALOĞLU
10:10 - 10:50	Pharmacodynamics:drug receptor interactions and dose-response relations	Emel BALOĞLU
11:00 - 11:40	Genetic disorders of bone and connective tissue	Yasemin ALANAY
11:50 - 12:30	Genetic disorders of bone and connective tissue	Yasemin ALANAY
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

## 09.11.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Drug interactions and factors affecting drug interactions	
11:50 - 12:30	Drug interactions and factors affecting drug interactions	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC2 Group Study Time: Anterior and posterior aspect of forearm & Hand	Anatomy Lab
14:20 - 15:00	FC2 Study Time: Anterior and posterior aspect of forearm and Hand	
15:10 - 15:50	FC2 Study Time: Anterior and posterior aspect of forearm & Hand	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 10.11.2023 FRIDAY

08:30 - 09:10	Atatürk Memorial Day	
09:20 - 10:00	Atatürk Memorial Day	
10:10 - 10:50	Atatürk Memorial Day	
11:00 - 11:40	Atatürk Memorial Day	
11:50 - 12:30	Atatürk Memorial Day	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Meeting With Mentor	
14:20 - 15:00	FC-2 Discussion: Anterior & posterior aspect of forearm & Hand	Elif Nedret KESKİNÖZ
15:10 - 15:50	FC-2 Discussion: Anterior & posterior aspect of forearm & Hand	Elif Nedret KESKİNÖZ
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

13.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Anterior and posterior aspect of forearm, hand _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Anterior and posterior aspect of forearm, hand _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Anterior and posterior aspect of forearm, hand _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Anterior and posterior aspect of forearm, hand _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Brachial plexus	Alp BAYRAMOĞLU
14:20 - 15:00	Brachial plexus	Alp BAYRAMOĞLU
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

14.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Brachial plexus _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Brachial plexus _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	CMPS/RinH-II: Data collection methods & tools	Pınar TOPSEVER
11:50 - 12:30	CMPS/RinH-II: Data collection methods & tools	Pınar TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	LAB: Brachial plexus _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	LAB: Brachial plexus _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ

15.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Gluteal region and posterior aspect of thigh	Elif Nedret KESKİNÖZ
10:10 - 10:50	Gluteal region and posterior aspect of thigh	Elif Nedret KESKİNÖZ
11:00 - 11:40	Pharmacogenetics:receptors, transporters and enzymes polymorphisms	Filiz ONAT
11:50 - 12:30	Pharmacogenetics:receptors, transporters and enzymes polymorphisms	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

16.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of arthritis	Özlem AYDIN
10:10 - 10:50	Neoplastic disease of bone and joint	Özlem AYDIN
11:00 - 11:40	Neoplastic disease of bone and joint	Özlem AYDIN
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Anterior & medial thigh & femoral triangle	Alp BAYRAMOĞLU
14:20 - 15:00	Anterior & medial thigh & femoral triangle	Alp BAYRAMOĞLU
15:10 - 15:50	LAB: Gluteal region and posterior aspect of thigh_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	LAB: Gluteal region and posterior aspect of thigh_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	Study Time	

17.11.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Gluteal region and posterior aspect of thigh_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Gluteal region and posterior aspect of thigh_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	



13.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Anterior and posterior aspect of forearm, hand _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Anterior and posterior aspect of forearm, hand _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Anterior and posterior aspect of forearm, hand _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Anterior and posterior aspect of forearm, hand _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Brachial plexus	Alp BAYRAMOĞLU
14:20 - 15:00	Brachial plexus	Alp BAYRAMOĞLU
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

14.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Brachial plexus _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Brachial plexus _Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	CMPS/RinH-II: Data collection methods & tools	Pınar TOPSEVER
11:50 - 12:30	CMPS/RinH-II: Data collection methods & tools	Pınar TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	LAB: Brachial plexus _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	LAB: Brachial plexus _Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ

15.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Gluteal region and posterior aspect of thigh	Elif Nedret KESKİNÖZ
10:10 - 10:50	Gluteal region and posterior aspect of thigh	Elif Nedret KESKİNÖZ
11:00 - 11:40	Pharmacogenetics:receptors, transporters and enzymes polymorphisms	Filiz ONAT
11:50 - 12:30	Pharmacogenetics:receptors, transporters and enzymes polymorphisms	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

16.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of arthritis	Özlem AYDIN
10:10 - 10:50	Neoplastic disease of bone and joint	Özlem AYDIN
11:00 - 11:40	Neoplastic disease of bone and joint	Özlem AYDIN
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Anterior & medial thigh & femoral triangle	Alp BAYRAMOĞLU
14:20 - 15:00	Anterior & medial thigh & femoral triangle	Alp BAYRAMOĞLU
15:10 - 15:50	LAB: Gluteal region and posterior aspect of thigh_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	LAB: Gluteal region and posterior aspect of thigh_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	Study Time	

17.11.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Gluteal region and posterior aspect of thigh_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Gluteal region and posterior aspect of thigh_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

20.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Anterior & medial thigh & femoral triangle_ Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Anterior & medial thigh & femoral triangle_ Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Anterior & medial thigh & femoral triangle_ Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Anterior & medial thigh & femoral triangle_ Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC3 Study Time: Anterior and lateral aspect of leg	
14:20 - 15:00	FC3 Study Time: Anterior and lateral aspect of leg	
15:10 - 15:50	FC3 Study Time: Posterior aspect of leg & popliteal fossa	
16:00 - 16:40	FC3 Study Time: Foot	
16:50 - 17:30	Study Time	

21.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC3 Group Study Time: Popliteal fossa & Leg & Foot	Anatomy Lab
10:10 - 10:50	CMPS/RinH-II: Sampling methods	Figen DEMİR
11:00 - 11:40	CMPS/RinH-II: Research Ethics	Yeşim İŞİL ÜLMAN
11:50 - 12:30	CMPS/RinH-II: Research Ethics	Yeşim İŞİL ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

22.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC3 Discussion: Popliteal fossa, Leg & Foot	Elif Nedret KESKİNÖZ
10:10 - 10:50	FC3 Discussion: Popliteal fossa, Leg & Foot	Elif Nedret KESKİNÖZ
11:00 - 11:40	LAB: Popliteal fossa, Leg & Foot_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Popliteal fossa, Leg & Foot_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

23.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Degenerative joint disease	Zeynep GÜVEN
10:10 - 10:50	Osteomyelitis and septic arthritis	Kerim SARIYILMAZ
11:00 - 11:40	Lumbosacral plexus & posterior abdominal wall	Elif Nedret KESKİNÖZ
11:50 - 12:30	Lumbosacral plexus & posterior abdominal wall	Elif Nedret KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Traumatic dislocations and soft tissue injuries	Göksel DİKMEN
14:20 - 15:00	Superficial structures of the face	Mustafa AKTEKİN
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

24.11.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Metabolic bone diseases and osteomyelitis	Özlem AYDIN
10:10 - 10:50	Soft tissue tumors	Özlem AYDIN
11:00 - 11:40	Soft tissue tumors	Özlem AYDIN
11:50 - 12:30	Approach to the patient with arthritis	Mehmet KARARSLAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	LAB: Lumbosacral plexus and posterior abdominal wall_ Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	LAB: Lumbosacral plexus and posterior abdominal wall_ Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	LAB: Lumbosacral plexus and posterior abdominal wall_ Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	LAB: Lumbosacral plexus and posterior abdominal wall_ Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ

## 27.11.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC4 Study Time: Temporal region, temporomandibular joint, muscles of mastication	
14:20 - 15:00	FC4 Study Time: Temporal region, temporomandibular joint, muscles of mastication	
15:10 - 15:50	FC4 Study Time: Infratemporal fossa & Pterygopalatine fossa	
16:00 - 16:40	FC4 Study Time: Infratemporal fossa & Pterygopalatine fossa	
16:50 - 17:30	Study Time	

## 28.11.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	LAB: Superficial structures of the face_ Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Superficial structures of the face_ Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	CMPS/RinH-II: Writing a research proposal	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 29.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	FC4 Group Study Time: Temporal region, Temporomandibular joint, muscles of mastication, Infratemporal fossa & Pterygopalatine fossa	Anatomy Lab
10:10 - 10:50	Management of symptoms of func. impairment related MSD in PHC	Efe ONGANER
11:00 - 11:40	Development of Head and Neck	Merve AÇIKEL ELMAS
11:50 - 12:30	Development of Head and Neck	Merve AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

## 30.11.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Radiological anatomy and algorithm of the musculoskeletal system	Tuğana AKBAŞ
10:10 - 10:50	Radiological anatomy and algorithm of the musculoskeletal system	Tuğana AKBAŞ
11:00 - 11:40	Osteoporosis	Meral BAYRAMOĞLU
11:50 - 12:30	Soft tissue rheumatism	Meral BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 01.12.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

04.12.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Anti-inflammatory- analgesic drugs	Filiz ONAT
11:00 - 11:40	Anti-inflammatory- analgesic drugs	Filiz ONAT
11:50 - 12:30	Disease modifying antirheumatic drugs	Emel BALOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC4 Discussion: Temporal region, temporomandibular joint, muscles of mastication & Infratemporal fossa & Pterygopalatine fossa	Mustafa AKTEKİN
14:20 - 15:00	FC4 Discussion: Temporal region, temporomandibular joint, muscles of mastication & Infratemporal fossa & Pterygopalatine fossa	Mustafa AKTEKİN
15:10 - 15:50	Study Time	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

05.12.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/RinH-II: Written Examination	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

06.12.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Temporal region, temporomandibular joint, muscles of mastication & Infratemporal fossa & Pterygopalatine fossa_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Temporal region, temporomandibular joint, muscles of mastication & Infratemporal fossa & Pterygopalatine fossa_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Temporal region, temporomandibular joint, muscles of mastication & Infratemporal fossa & Pterygopalatine fossa_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Temporal region, temporomandibular joint, muscles of mastication & Infratemporal fossa & Pterygopalatine fossa_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

07.12.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Formative Assessment II	ALTINTAŞ, KESKİNÖZ
11:00 - 11:40	Formative Assessment II	ALTINTAŞ, KESKİNÖZ
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

08.12.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	MED 213 PRACTICAL EXAMINATION II	
11:50 - 12:30	MED 213 PRACTICAL EXAMINATION II	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	MED 213 THEORETICAL EXAMINATION II	
15:10 - 15:50	MED 213 THEORETICAL EXAMINATION II	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 11.12.2023 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 12.12.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 211 Microorganism and Infection	Emel BALOĞLU- Özgür KURT
11:00 - 11:40	CMPS/RinH-II_CCS: Introduction to clinical communication skills	Pınar TOPSEVER
11:50 - 12:30	CMPS/RinH-II_CCS: Patient centered approach	Şirin PARKAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	FC1 Study Time: Gram Positive Cocci	
16:50 - 17:30	FC1 Study Time: Gram Positive Cocci	

## 13.12.2023 WEDNESDAY

08:30 - 09:10	FC1 Study Time: Gram Positive Cocci	
09:20 - 10:00	FC2 Study Time: Gram Negative Cocci and Haemophilus	
10:10 - 10:50	FC2 Study Time: Gram Negative Cocci and Haemophilus	
11:00 - 11:40	Diagnostic Methods in Microbiology Laboratory	Tanıl KOCAGÖZ
11:50 - 12:30	Diagnostic Methods in Microbiology Laboratory	Tanıl KOCAGÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

## 14.12.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Meeting With Mentor	
10:10 - 10:50	Heat and temperature, heat transfer	Zeynep DURER
11:00 - 11:40	Heat and temperature, heat transfer	Zeynep DURER
11:50 - 12:30	FC1 Discussion: Gram Positive Cocci	Sinem ÖKTEM OKULLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Temperature transducers, thermography	Beki KAN
14:20 - 15:00	Epidemiology and prevention of infectious diseases	Yeşim YAŞIN
15:10 - 15:50	FC2 Study Time: Gram Positive Aerobic Bacilli	
16:00 - 16:40	FC2 Study Time: Bordetella, Legionella	
16:50 - 17:30	Study Time	

## 15.12.2023 FRIDAY

08:30 - 09:10	FC2 Study Time: HACEK	
09:20 - 10:00	FC2 Study Time: Brucella	
10:10 - 10:50	Thermoregulatory functions of the hypothalamus	Hande YAPIŞLAR
11:00 - 11:40	FC2 Discussion: Gram Negative Coccobacilli I	Yeşim GÜROL
11:50 - 12:30	FC2 Discussion: Gram Negative Coccobacilli I	Yeşim GÜROL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC3 Study Time: Enteric Gram Negative Bacilli	
14:20 - 15:00	FC3 Study Time: Enteric Gram Negative Bacilli	
15:10 - 15:50	FC3 Study Time: Non fermenters	
16:00 - 16:40	FC3 Study Time: Yersinia, Francisella, Pasteurella	
16:50 - 17:30	FC3 Study Time: Campylobacter, Helicobacter, Vibrio	

18.12.2023 MONDAY		
08:30 - 09:10	FC3 Study Time: Spirochetes	
09:20 - 10:00	FC4 Study Time: Anaerobic bacteria	
10:10 - 10:50	General principles of antimicrobial chemotherapy	Emel BALOĞLU
11:00 - 11:40	FC3 Discussion: Gram Negative bacilli I	Neval YURTTUTAN UYAR
11:50 - 12:30	FC3 Discussion: Gram Negative bacilli I	Neval YURTTUTAN UYAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Penicillins, cephalosporins and other beta lactam antibiotics	Filiz ONAT
14:20 - 15:00	Penicillins, cephalosporins and other beta lactam antibiotics	Filiz ONAT
15:10 - 15:50	Penicillins, cephalosporins and other beta lactam antibiotics	Filiz ONAT
16:00 - 16:40	FC4 Study Time: Anaerobic bacteria	
16:50 - 17:30	Study Time	

19.12.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/RinH-II_CCS: how to take a patients history-1	Demet DİNÇ
11:50 - 12:30	CMPS/RinH-II_CCS: how to take a patients history-1	Demet DİNÇ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

20.12.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Microbiology Module 1_Group A	OKULLU,UYAR Multidiciplinary Lab
10:10 - 10:50	LAB: Microbiology Module 1_Group A	OKULLU,UYAR Multidiciplinary Lab
11:00 - 11:40	LAB: Microbiology Module 1_Group B	OKULLU,UYAR Multidiciplinary Lab
11:50 - 12:30	LAB: Microbiology Module 1_Group B	OKULLU,UYAR Multidiciplinary Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

21.12.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC2 Discussion: Gram Negative Coccobacilli II	Yeşim GÜROL
10:10 - 10:50	FC2 Discussion: Gram Negative Coccobacilli II	Yeşim GÜROL
11:00 - 11:40	Sulfonamids, trimethoprim sulfamethoxazole and quinolones	Emel BALOĞLU
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Microbiology Module 1_Group C	GÜROL, KURT Multidiciplinary Lab
14:20 - 15:00	LAB: Microbiology Module 1_Group C	GÜROL, KURT Multidiciplinary Lab
15:10 - 15:50	LAB: Microbiology Module 1_Group D	GÜROL, KURT Multidiciplinary Lab
16:00 - 16:40	LAB: Microbiology Module 1_Group D	GÜROL, KURT Multidiciplinary Lab
16:50 - 17:30	Study Time	

22.12.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC3 Discussion: Gram Negative bacilli II	Neval YURTTUTAN UYAR
10:10 - 10:50	FC3 Discussion: Gram Negative bacilli II	Neval YURTTUTAN UYAR
11:00 - 11:40	Protein synthesis inhibitors and miscellaneous antimicrobial agents	Filiz ONAT
11:50 - 12:30	Mycobacteria, Nocardia and Actinomycetes	Tanıl KOCAGÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Mycobacteria, Nocardia and Actinomycetes	Tanıl KOCAGÖZ
15:10 - 15:50	Mycobacteria, Nocardia and Actinomycetes	Tanıl KOCAGÖZ
16:00 - 16:40	CMPS/RinH-II_CCS: how to take a patients history-2	Şirin PARKAN
16:50 - 17:30	CMPS/RinH-II_CCS: how to take a patients history-2	Pınar TOPSEVER

25.12.2023 MONDAY		
08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50		
11:00 - 11:40		
11:50 - 12:30		
12:30 - 13:30	Study Time	
13:30 - 14:10		
14:20 - 15:00		
15:10 - 15:50		
16:00 - 16:40		
16:50 - 17:30		

26.12.2023 TUESDAY		
08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50		
11:00 - 11:40	Study Time	
11:50 - 12:30		
12:30 - 13:30		
13:30 - 14:10	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 233 Medical English III	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40		
16:50 - 17:30	Study Time	

27.12.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Microbiology Module 1_Group A	GÜROL, KURT Multidiciplinary Lab
10:10 - 10:50	LAB: Microbiology Module 1_Group A	GÜROL, KURT Multidiciplinary Lab
11:00 - 11:40	LAB: Microbiology Module 1_Group B	GÜROL, KURT Multidiciplinary Lab
11:50 - 12:30	LAB: Microbiology Module 1_Group B	GÜROL, KURT Multidiciplinary Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

28.12.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC3 Discussion: Gram Negative bacilli III	Neval YURTTUTAN UYAR
10:10 - 10:50	FC4 Discussion: Anaerobic bacteria	Neval YURTTUTAN UYAR
11:00 - 11:40	Mycoplasma, Chlamydia, Rickettsiae	TanıI KOCAGÖZ
11:50 - 12:30	Mycoplasma, Chlamydia, Rickettsiae	TanıI KOCAGÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Microbiology Module 1_Group C	OKULLU,UYAR Multidiciplinary Lab
14:20 - 15:00	LAB: Microbiology Module 1_Group C	OKULLU,UYAR Multidiciplinary Lab
15:10 - 15:50	LAB: Microbiology Module 1_Group D	OKULLU,UYAR Multidiciplinary Lab
16:00 - 16:40	LAB: Microbiology Module 1_Group D	OKULLU,UYAR Multidiciplinary Lab
16:50 - 17:30	Study Time	

29.12.2023 FRIDAY		
08:30 - 09:10	FC 5 Study Time: RNA Viruses	
09:20 - 10:00	FC 5 Study Time: RNA Viruses	
10:10 - 10:50	Antimicrobial agents, mechanisms of action and resistance	TanıI KOCAGÖZ
11:00 - 11:40	Antimicrobial agents, mechanisms of action and resistance	TanıI KOCAGÖZ
11:50 - 12:30	Antimicrobial agents, mechanisms of action and resistance	TanıI KOCAGÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC 5 Study Time: RNA Viruses	
14:20 - 15:00	FC 5 Study Time: RNA Viruses	
15:10 - 15:50	Normal Human Microbiata	Yeşim GÜROL
16:00 - 16:40	Normal Human Microbiata	Yeşim GÜROL
16:50 - 17:30	Study Time	

## 01.01.2024 MONDAY

08:30 - 09:10	New Year's Day
09:20 - 10:00	New Year's Day
10:10 - 10:50	New Year's Day
11:00 - 11:40	New Year's Day
11:50 - 12:30	New Year's Day
12:30 - 13:30	New Year's Day
13:30 - 14:10	New Year's Day
14:20 - 15:00	New Year's Day
15:10 - 15:50	New Year's Day
16:00 - 16:40	New Year's Day
16:50 - 17:30	New Year's Day

## 02.01.2024 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Study Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 03.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Microbiology Module 1_Group A	GÜROL, KURT Multidiciplinary Lab
10:10 - 10:50	LAB: Microbiology Module 1_Group A	GÜROL, KURT Multidiciplinary Lab
11:00 - 11:40	LAB: Microbiology Module 1_Group B	GÜROL, KURT Multidiciplinary Lab
11:50 - 12:30	LAB: Microbiology Module 1_Group B	GÜROL, KURT Multidiciplinary Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	CMPS/RinH-II: Research proposal presentation	
16:50 - 17:30	Study Time	

## 04.01.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	DNA viruses	Tanıl KOCAGÖZ
10:10 - 10:50	DNA viruses	Tanıl KOCAGÖZ
11:00 - 11:40	Cancer chemotherapeutics	Emel BALOĞLU
11:50 - 12:30	Cancer chemotherapeutics	Emel BALOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Microbiology Module 1_Group C	OKULLU,UYAR Multidiciplinary Lab
14:20 - 15:00	LAB: Microbiology Module 1_Group C	OKULLU,UYAR Multidiciplinary Lab
15:10 - 15:50	LAB: Microbiology Module 1_Group D	OKULLU,UYAR Multidiciplinary Lab
16:00 - 16:40	LAB: Microbiology Module 1_Group D	OKULLU,UYAR Multidiciplinary Lab
16:50 - 17:30	Study Time	

## 05.01.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Slow viruses and prions	Hülya KUŞOĞLU
10:10 - 10:50	Oncogenic viruses	Tanıl KOCAGÖZ
11:00 - 11:40	Cancer chemotherapeutics	Emel BALOĞLU
11:50 - 12:30	Yeast and molds	Neval YURTTUTAN UYAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Yeast and molds	Neval YURTTUTAN UYAR
15:10 - 15:50	Yeast and molds	Neval YURTTUTAN UYAR
16:00 - 16:40	Aminoglycosides	Emel BALOĞLU
16:50 - 17:30	Chemotherapy of tuberculosis and leprosy	Emel BALOĞLU



08.01.2024 MONDAY		
08:30 - 09:10	CMPS/RinH-II_CCS: SP encounter	CASE
09:20 - 10:00	CMPS/RinH-II_CCS: SP encounter	CASE
10:10 - 10:50	CMPS/RinH-II_CCS: SP encounter	CASE
11:00 - 11:40	CMPS/RinH-II_CCS: SP encounter	CASE
11:50 - 12:30	CMPS/RinH-II_CCS: SP encounter	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II_CCS: SP encounter	CASE
14:20 - 15:00	CMPS/RinH-II_CCS: SP encounter	CASE
15:10 - 15:50	CMPS/RinH-II_CCS: SP encounter	CASE
16:00 - 16:40	CMPS/RinH-II_CCS: SP encounter	CASE
16:50 - 17:30	CMPS/RinH-II_CCS: SP encounter	CASE

09.01.2024 TUESDAY		
08:30 - 09:10	CMPS/RinH-II_CCS: SP encounter	CASE
09:20 - 10:00	CMPS/RinH-II_CCS: SP encounter	CASE
10:10 - 10:50	CMPS/RinH-II_CCS: SP encounter	CASE
11:00 - 11:40	CMPS/RinH-II_CCS: SP encounter	CASE
11:50 - 12:30	CMPS/RinH-II_CCS: SP encounter	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II_CCS: SP encounter	CASE
14:20 - 15:00	CMPS/RinH-II_CCS: SP encounter	CASE
15:10 - 15:50	CMPS/RinH-II_CCS: SP encounter	CASE
16:00 - 16:40	CMPS/RinH-II_CCS: SP encounter	CASE
16:50 - 17:30	CMPS/RinH-II_CCS: SP encounter	CASE

10.01.2024 WEDNESDAY		
08:30 - 09:10	CMPS/RinH-II_CCS: SP encounter	CASE
09:20 - 10:00	CMPS/RinH-II_CCS: SP encounter	CASE
10:10 - 10:50	CMPS/RinH-II_CCS: SP encounter	CASE
11:00 - 11:40	CMPS/RinH-II_CCS: SP encounter	CASE
11:50 - 12:30	CMPS/RinH-II_CCS: SP encounter	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course III/Study Time	
16:50 - 17:30	Elective Course III/Study Time	

11.01.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	FC5 Discussion: RNA viruses	Yeşim GÜROL
11:00 - 11:40	FC5 Discussion: RNA viruses	Yeşim GÜROL
11:50 - 12:30	FC5 Discussion: RNA viruses	Yeşim GÜROL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Antifungal agents	Emel BALOĞLU
14:20 - 15:00	Antiviral agents	Emel BALOĞLU
15:10 - 15:50	DNA viruses	Tanıl KOCAGÖZ
16:00 - 16:40	DNA viruses	Tanıl KOCAGÖZ
16:50 - 17:30	DNA viruses	Tanıl KOCAGÖZ

12.01.2024 FRIDAY		
08:30 - 09:10	CMPS/RinH-II: Research proposal presentation	
09:20 - 10:00	CMPS/RinH-II: Research proposal presentation	
10:10 - 10:50	CMPS/RinH-II: Research proposal presentation	
11:00 - 11:40	CMPS/RinH-II: Research proposal presentation	
11:50 - 12:30	CMPS/RinH-II: Research proposal presentation	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Research proposal presentation	
14:20 - 15:00	CMPS/RinH-II: Research proposal presentation	
15:10 - 15:50	CMPS/RinH-II: Research proposal presentation	
16:00 - 16:40	CMPS/RinH-II: Research proposal presentation	
16:50 - 17:30	CMPS/RinH-II: Research proposal presentation	

15.01.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to medical parasitology	Özgür KURT
11:00 - 11:40	Protozoa	Özgür KURT
11:50 - 12:30	Protozoa	Özgür KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Protozoa	Özgür KURT
14:20 - 15:00	Meeting With Mentor	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

16.01.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Helminths	Özgür KURT
11:00 - 11:40	Helminths	Özgür KURT
11:50 - 12:30	Helminths	Özgür KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 233 Medical English III Final Exam	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
14:20 - 15:00	MED 233 Medical English III Final Exam	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

17.01.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Microbiology Module 1_Group A	GÜROL, KURT Multidisciplinary Lab
10:10 - 10:50	LAB: Microbiology Module 1_Group A	GÜROL, KURT Multidisciplinary Lab
11:00 - 11:40	LAB: Microbiology Module 1_Group B	GÜROL, KURT Multidisciplinary Lab
11:50 - 12:30	LAB: Microbiology Module 1_Group B	GÜROL, KURT Multidisciplinary Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II_CCS: Tutor feed-back for history taking sessions	TOPSEVER, DEMİR, DİNÇ, PAKIŞ, PARKAN, KİTAPÇIOĞLU, ŞAHİNER, ALTINTAŞ,
14:20 - 15:00	CMPS/RinH-II_CCS: Tutor feed-back for history taking sessions	TOPSEVER, DEMİR, DİNÇ, PAKIŞ, PARKAN, KİTAPÇIOĞLU, ŞAHİNER, ALTINTAŞ,
15:10 - 15:50	CMPS/RinH-II_CCS: Tutor feed-back for history taking sessions	TOPSEVER, DEMİR, DİNÇ, PAKIŞ, PARKAN, KİTAPÇIOĞLU, ŞAHİNER, ALTINTAŞ,
16:00 - 16:40	CMPS/RinH-II_CCS: Tutor feed-back for history taking sessions	TOPSEVER, DEMİR, DİNÇ, PAKIŞ, PARKAN, KİTAPÇIOĞLU, ŞAHİNER, ALTINTAŞ,
16:50 - 17:30	CMPS/RinH-II_CCS: Tutor feed-back for history taking sessions	TOPSEVER, DEMİR, DİNÇ, PAKIŞ, PARKAN, KİTAPÇIOĞLU, ŞAHİNER, ALTINTAŞ,

18.01.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Arthropods	Özgür KURT
10:10 - 10:50	Arthropods	Özgür KURT
11:00 - 11:40	Chemotherapy of parasitic (protozoal and helminth) infections	Emel BALOĞLU
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Microbiology Module 1_Group C	Ö.OKULLU,Y.UYAR Multidisciplinary Lab
14:20 - 15:00	LAB: Microbiology Module 1_Group C	Ö.OKULLU,Y.UYAR Multidisciplinary Lab
15:10 - 15:50	LAB: Microbiology Module 1_Group D	Ö.OKULLU,Y.UYAR Multidisciplinary Lab
16:00 - 16:40	LAB: Microbiology Module 1_Group D	Ö.OKULLU,Y.UYAR Multidisciplinary Lab
16:50 - 17:30	Study Time	

19.01.2024 FRIDAY		
08:30 - 09:10	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
09:20 - 10:00	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
10:10 - 10:50	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
11:00 - 11:40	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
11:50 - 12:30	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
14:20 - 15:00	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
15:10 - 15:50	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
16:00 - 16:40	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE
16:50 - 17:30	CMPS/RinH-II_CCS: History taking practical examination with SPs	CASE

## 22.01.2024 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	MED 211 Practical Examination
14:20 - 15:00	MED 211 Practical Examination
15:10 - 15:50	MED 211 Practical Examination
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 23.01.2024 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Formative Assessment
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

ALTINTAŞ, BALOĞLU

## 24.01.2024 WEDNESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 25.01.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	MED 211 THEORETICAL EXAMINATION
15:10 - 15:50	MED 211 THEORETICAL EXAMINATION
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 26.01.2024 FRIDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

# YEAR 2 SPRING SEMESTER SCHEDULE



12.02.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 212 Nervous System	Neval YURTTAN UYAR - Filiz ONAT
11:00 - 11:40	Overview to nervous system	Alp BAYRAMOĞLU
11:50 - 12:30	Overview to nervous system	Alp BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	General organization of the nervous system	Ekin DÖNGEL
14:20 - 15:00	General organization of the nervous system	Ekin DÖNGEL
15:10 - 15:50	Tactile sensation	Mehmet ERGEN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

13.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Meninges and dural sinuses of brain	Mustafa AKTEKİN
10:10 - 10:50	Meninges and dural sinuses of brain	Mustafa AKTEKİN
11:00 - 11:40	CMPS/ME&H-II: Introduction to Ethics	Yeşim Işıl ÜLMAN
11:50 - 12:30	CMPS/ME&H-II:Ethical Theories	Yeşim Işıl ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	FC1 Study Time: Spinal cord	
16:50 - 17:30	FC1 Study Time: Ascending Pathways, Descending Pathways	

14.02.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Somatosensory system	Mehmet ERGEN
10:10 - 10:50	Somatosensory system	Mehmet ERGEN
11:00 - 11:40	Introduction to central nervous system pharmacology	Filiz ONAT
11:50 - 12:30	Histology of nervous system at cellular level	Deniz YÜCEL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

15.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC1 Study Time: Ascending Pathways, Descending Pathways	
10:10 - 10:50	FC1 Study Time: Ascending Pathways, Descending Pathways	
11:00 - 11:40	FC1 Group Study Time:Spinal cord, Ascending Pathways, Descending Pathways	Anatomy Lab
11:50 - 12:30	Pain mechanisms	Mehmet ERGEN
12:30 - 13:30	Pain mechanisms	Mehmet ERGEN
13:30 - 14:10	Lunch Time	
14:20 - 15:00	Functions of cerebellum	Ekin DÖNGEL
15:10 - 15:50	Functions of cerebellum	Ekin DÖNGEL
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

16.02.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC1 Discussion: Spinal cord, Ascending and Descending Pathways	Mustafa AKTEKİN
10:10 - 10:50	FC1 Discussion: Spinal cord, Ascending and Descending Pathways	Mustafa AKTEKİN
11:00 - 11:40	LAB: Spinal cord, meninges and dural sinuses of brain_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Spinal cord, meninges and dural sinuses of brain_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC2 Study Time: Medulla oblongata	
14:20 - 15:00	LAB: Spinal cord, meninges and dural sinuses of brain_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	LAB: Spinal cord, meninges and dural sinuses of brain_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	FC2 Study Time: Pons	
16:50 - 17:30	FC2 Study Time: Mesencephalon	

12.02.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 212 Nervous System	Neval YURTTAN UYAR - Filiz ONAT
11:00 - 11:40	Overview to nervous system	Alp BAYRAMOĞLU
11:50 - 12:30	Overview to nervous system	Alp BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	General organization of the nervous system	Ekin DÖNGEL
14:20 - 15:00	General organization of the nervous system	Ekin DÖNGEL
15:10 - 15:50	Tactile sensation	Mehmet ERGEN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

13.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Meninges and dural sinuses of brain	Mustafa AKTEKİN
10:10 - 10:50	Meninges and dural sinuses of brain	Mustafa AKTEKİN
11:00 - 11:40	CMPS/ME&H-II: Introduction to Ethics	Yeşim Işıl ÜLMAN
11:50 - 12:30	CMPS/ME&H-II: Ethical Theories	Yeşim Işıl ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
16:00 - 16:40	FC1 Study Time: Spinal cord	
16:50 - 17:30	FC1 Study Time: Ascending Pathways, Descending Pathways	

14.02.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Somatosensory system	Mehmet ERGEN
10:10 - 10:50	Somatosensory system	Mehmet ERGEN
11:00 - 11:40	Introduction to central nervous system pharmacology	Filiz ONAT
11:50 - 12:30	Histology of nervous system at cellular level	Deniz YÜCEL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

15.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC1 Study Time: Ascending Pathways, Descending Pathways	
10:10 - 10:50	FC1 Study Time: Ascending Pathways, Descending Pathways	
11:00 - 11:40	FC1 Group Study Time: Spinal cord, Ascending Pathways, Descending Pathways	Anatomy Lab
11:50 - 12:30	Pain mechanisms	Mehmet ERGEN
12:30 - 13:30	Pain mechanisms	Mehmet ERGEN
13:30 - 14:10	Lunch Time	
14:20 - 15:00	Functions of cerebellum	Ekin DÖNGEL
15:10 - 15:50	Functions of cerebellum	Ekin DÖNGEL
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

16.02.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC1 Discussion: Spinal cord, Ascending and Descending Pathways	Mustafa AKTEKİN
10:10 - 10:50	FC1 Discussion: Spinal cord, Ascending and Descending Pathways	Mustafa AKTEKİN
11:00 - 11:40	LAB: Spinal cord, meninges and dural sinuses of brain_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Spinal cord, meninges and dural sinuses of brain_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC2 Study Time: Medulla oblongata	
14:20 - 15:00	LAB: Spinal cord, meninges and dural sinuses of brain_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	LAB: Spinal cord, meninges and dural sinuses of brain_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	FC2 Study Time: Pons	
16:50 - 17:30	FC2 Study Time: Mesencephalon	

19.02.2024 MONDAY		
08:30 - 09:10	FC2 Study Time: Cerebellum	
09:20 - 10:00	FC2 Group Study Time: Medulla oblongata, Pons, Mesencephalon Cerebellum	Anatomy Lab
10:10 - 10:50	Anatomy of autonomic nervous system	Alp BAYRAMOĞLU
11:00 - 11:40	Anatomy of autonomic nervous system	Alp BAYRAMOĞLU
11:50 - 12:30	Functions of basal ganglia	Ekin DÖNGEL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Physiology of autonomic nervous system	Ekin DÖNGEL
14:20 - 15:00	Physiology of autonomic nervous system	Ekin DÖNGEL
15:10 - 15:50	Neurotransmitters	Ahmet Tarık BAYKAL
16:00 - 16:40	Neurotransmitters Discussion	Ahmet Tarık BAYKAL
16:50 - 17:30	Study Time	

20.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/ME&H-II: Principles of Bioethics/ Human Rights&Dignity-TBL	ÜLMAN, ARTVİNLİ
10:10 - 10:50	CMPS/ME&H-II: Principles of Bioethics/ Human Rights&Dignity-TBL	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H-II: Principles of Bioethics/Benefit and Harm-TBL	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H-II: Principles of Bioethics/ Benefit and Harm-TBL	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	FC3 Study Time: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	
16:50 - 17:30	FC3 Study Time: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	

21.02.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC2 Discussion: M.Oblangata, Pons, Mesencephalon, Cerebellum	Alp BAYRAMOĞLU
10:10 - 10:50	FC2 Discussion: M.Oblangata, Pons, Mesencephalon, Cerebellum	Alp BAYRAMOĞLU
11:00 - 11:40	LAB: Cerebellum, brain stem_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Cerebellum, brain stem_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

22.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	FC3 Study Time: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	
11:00 - 11:40	FC3 Study Time: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	
11:50 - 12:30	FC3 Group Study Time: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC4 Study Time: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	
14:20 - 15:00	FC4 Study Time: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	
15:10 - 15:50	FC4 Study Time: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	
16:00 - 16:40	FC4 Study Time: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	
16:50 - 17:30	FC4 Group Study Time: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	Anatomy Lab

23.02.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Meeting With Mentor	
10:10 - 10:50	PBL Session 1	Cem SUNGUR
11:00 - 11:40	Movement	Ekin DÖNGEL
11:50 - 12:30	Reflexes	Ekin DÖNGEL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Synaptic transmission in learning and memory	Beki KAN
15:10 - 15:50	Synaptic transmission in learning and memory	Beki KAN
16:00 - 16:40	Drugs altering brain neurotransmission: DA, NA, 5HT, Ach	Rezzan GÜLHAN
16:50 - 17:30	Drugs altering brain neurotransmission: DA, NA, 5HT, Ach	Rezzan GÜLHAN

26.02.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Drugs altering brain neurotransmission: DA, NA, 5HT, Ach	Rezzan GÜLHAN
11:50 - 12:30	Synaptic transmission in learning and memory	Beki KAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Vessels of central nervous system	Alp BAYRAMOĞLU
14:20 - 15:00	Vessels of central nervous system	Alp BAYRAMOĞLU
15:10 - 15:50	Regulation of cerebral blood flow and CSF circulation	Ekin DÖNGEL
16:00 - 16:40	Energy metabolism of brain	Aysel ÖZPINAR
16:50 - 17:30	Study Time	

27.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC3 Discussion: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	Elif KESKİNÖZ
10:10 - 10:50	FC3 Discussion: Thalamus, hypothalamus, hypophysis, basal nuclei and subthalamus, epithalamus	Elif KESKİNÖZ
11:00 - 11:40	CMPS/ME&H-II: Privacy-Confidentiality	ÜLMAN, ARTVINLİ
11:50 - 12:30	CMPS/ME&H-II: Privacy-Confidentiality	ÜLMAN, ARTVINLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Clinical neuroanatomy	Baran BOZKURT
16:50 - 17:30	Clinical neuroanatomy	Baran BOZKURT

28.02.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Cranial nerves (I-VI)	Mustafa AKTEKİN
10:10 - 10:50	Cranial nerves (I-VI)	Mustafa AKTEKİN
11:00 - 11:40	Histology of nervous system at tissue level	Deniz YÜCEL
11:50 - 12:30	Histology of nervous system at tissue level	Deniz YÜCEL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

29.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Laboratory evaluation of CSF	Mustafa SERTESER
10:10 - 10:50	Laboratory evaluation of CSF	Mustafa SERTESER
11:00 - 11:40	Electrical activity of brain	Mehmet ERGEN
11:50 - 12:30	Electrical activity of brain	Mehmet ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	PBL Session 2	
14:20 - 15:00	Acute meningitis	Serap GENCER
15:10 - 15:50	Chronic meningitis	Sesin KOCAGÖZ
16:00 - 16:40	Case Based Discussion: Parkinson's disease	Murat AKSU
16:50 - 17:30	Study Time	

01.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Cranial nerves ( VII-XII)	Mustafa AKTEKİN
10:10 - 10:50	Cranial nerves ( VII-XII)	Mustafa AKTEKİN
11:00 - 11:40	LAB: Histology of nervous system Group A	ARBAK, YÜCEL, A.ELMAS Multidisciplinary Lab
11:50 - 12:30	LAB: Histology of nervous system Group B	ARBAK, YÜCEL, A.ELMAS Multidisciplinary Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Cerebral edema, hydrocephalus and traumatic brain injury	Ayça ERŞEN DANYELİ
15:10 - 15:50	Increased intracranial pressure	Koray ÖZDUMAN
16:00 - 16:40	Increased intracranial pressure	Koray ÖZDUMAN
16:50 - 17:30	Study Time	



04.03.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Overview to the cranial nerves (CN I-XII)	Mustafa AKTEKİN
11:00 - 11:40	FC4 Discussion: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	Alp BAYRAMOĞLU
11:50 - 12:30	FC4 Discussion: Cerebral hemispheres, motor & sensory areas, CSF, ventricles	Alp BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Anatomy of limbic system	Elif KESKİNÖZ
14:20 - 15:00	Limbic system	Mehmet ERGEN
15:10 - 15:50	Drugs altering brain neurotransmission: GABA, Glutamate	Filiz ONAT
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

05.03.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/ME&H-II:Autonomy - Consent-TBL	ÜLMAN-ARTVINLİ
10:10 - 10:50	CMPS/ME&H-II:Autonomy - Consent-TBL	ÜLMAN-ARTVINLİ
11:00 - 11:40	CMPS/ME&H-II:Autonomy - Consent-TBL	ÜLMAN-ARTVINLİ
11:50 - 12:30	CMPS/ME&H-II:Autonomy - Consent-TBL	ÜLMAN-ARTVINLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

06.03.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Cerebral hemispheres, white-gray matters, diencephalon, basal nuclei, cranial nerves, limbic system._Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Cerebral hemispheres, white-gray matters, diencephalon, basal nuclei, cranial nerves, limbic system._Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Cerebral hemispheres, white-gray matters, diencephalon, basal nuclei, cranial nerves, limbic system._Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Cerebral hemispheres, white-gray matters, diencephalon, basal nuclei, cranial nerves, limbic system._Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

07.03.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: ANS, Brain ventricles and CSF vessels of CNS_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: ANS, Brain ventricles and CSF vessels of CNS_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: ANS, Brain ventricles and CSF vessels of CNS_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: ANS, Brain ventricles and CSF vessels of CNS_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Physiology of Sleep	Ekin DÖNGEL
14:20 - 15:00	Physiology of Sleep	Ekin DÖNGEL
15:10 - 15:50	Circadian Rhythms	Ekin DÖNGEL
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

08.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	PBL Session 3	
10:10 - 10:50	Other CNS infections	Hülya KUŞOĞLU
11:00 - 11:40	Other CNS infections	Hülya KUŞOĞLU
11:50 - 12:30	Head traumas	Baran BOZKURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Spinal cord compression syndromes	Mustafa GÜDÜK
15:10 - 15:50	Spinal cord traumas	Mustafa GÜDÜK
16:00 - 16:40	Drugs altering autonomic nervous system	Rezzan GÜLHAN
16:50 - 17:30	Drugs altering autonomic nervous system	Rezzan GÜLHAN

## 11.03.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Development of the nervous system	Merve AÇIKEL ELMAS
11:00 - 11:40	Development of the nervous system	Merve AÇIKEL ELMAS
11:50 - 12:30	Malformations and developmental diseases	Ayça ERŞEN DANYELİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 12.03.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/ME&H-II:Justice in ethical aspect-TBL	ARTVİNLİ, ÜLMAN
10:10 - 10:50	CMPS/ME&H-II:Justice in ethical aspect-TBL	ARTVİNLİ, ÜLMAN
11:00 - 11:40	CMPS/ME&H-II:Justice in ethical aspect-TBL	ARTVİNLİ, ÜLMAN
11:50 - 12:30	CMPS/ME&H-II:Justice in ethical aspect-TBL	ARTVİNLİ, ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 13.03.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Analgesics drugs (drugs for headache and opioid analgesics)	Rezzan GÜLHAN
11:50 - 12:30	Hypnotics and sedatives	Emel BALOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

## 14.03.2024 THURSDAY

08:30 - 09:10	Doctors day	
09:20 - 10:00	Doctors day	
10:10 - 10:50	Doctors day	
11:00 - 11:40	Doctors day	
11:50 - 12:30	Doctors day	
12:30 - 13:30	Doctors day	
13:30 - 14:10	Doctors day	
14:20 - 15:00	Doctors day	
15:10 - 15:50	Doctors day	
16:00 - 16:40	Doctors day	
16:50 - 17:30	Doctors day	

## 15.03.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 18.03.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Formative Assessment I	ALTINTAŞ, ÖZ ARSLAN
15:10 - 15:50	Formative Assessment I	ALTINTAŞ, ÖZ ARSLAN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 19.03.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/ME&H-II:Patient Rights / Physician's Responsibility	ARTVİNLİ, ÜLMAN
11:50 - 12:30	CMPS/ME&H-II:Patient Rights / Physician's Responsibility	ARTVİNLİ, ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 20.03.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	MED 212 PRACTICAL EXAMINATION I	
11:50 - 12:30	MED 212 PRACTICAL EXAMINATION I	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

## 21.03.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	MED 212 THEORETICAL EXAMINATION I	
15:10 - 15:50	MED 212 THEORETICAL EXAMINATION I	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 22.03.2024 FRIDAY

08:30 - 09:10	FC5 Study Time: Auditory pathway and vestibular pathway	
09:20 - 10:00	FC5 Study Time: Auditory pathway and vestibular pathway	
10:10 - 10:50	FC5 Study Time: Auditory pathway and vestibular pathway	
11:00 - 11:40	FC5 Study Time: The ear	
11:50 - 12:30	FC5 Study Time: The ear	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Data Collection	
14:20 - 15:00	CMPS/RinH-II: Data Collection	
15:10 - 15:50	CMPS/RinH-II: Data Collection	
16:00 - 16:40	CMPS/RinH-II: Data Collection	
16:50 - 17:30	CMPS/RinH-II: Data Collection	

25.03.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	The orbit and its contents	Mustafa AKTEKİN
11:00 - 11:40	The orbit and its contents	Mustafa AKTEKİN
11:50 - 12:30	The eye, visual pathway	Mustafa AKTEKİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Nature of waves	Evren KILINÇ
14:20 - 15:00	Nature of waves	Evren KILINÇ
15:10 - 15:50	Histology of eye	Deniz YÜCEL
16:00 - 16:40	Histology of eye	Deniz YÜCEL
16:50 - 17:30	Study Time	

26.03.2024 TUESDAY		
08:30 - 09:10	CMPS/RinH-II: Data Collection	
09:20 - 10:00	CMPS/RinH-II: Data Collection	
10:10 - 10:50	CMPS/RinH-II: Data Collection	
11:00 - 11:40	CMPS/RinH-II: Data Collection	
11:50 - 12:30	CMPS/RinH-II: Data Collection	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Data Collection/ MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	CMPS/RinH-II: Data Collection/ MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	CMPS/RinH-II: Data Collection/ MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	CMPS/RinH-II: Data Collection	
16:50 - 17:30	CMPS/RinH-II: Data Collection	

27.03.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/ME&H-II: Beginning of Life- TBL	ÜLMAN, ARTVİNLI
11:00 - 11:40	CMPS/ME&H-II: Beginning of Life- TBL	ÜLMAN, ARTVİNLI
11:50 - 12:30	CMPS/ME&H-II: Beginning of Life- TBL	ÜLMAN, ARTVİNLI
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Meeting With Mentor	
16:50 - 17:30	Study Time	

28.03.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: The orbit, its contents and visual pathway Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: The orbit, its contents and visual pathway Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	Optics	Evren KILINÇ
11:50 - 12:30	Optics	Evren KILINÇ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Histology of ear	Serap ARBAK
14:20 - 15:00	Histology of ear	Serap ARBAK
15:10 - 15:50	Biophysics of photoreception	Beki KAN
16:00 - 16:40	Biophysics of photoreception	Beki KAN
16:50 - 17:30	Study Time	

29.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Optics of vision	Evren KILINÇ
10:10 - 10:50	Optics of vision	Evren KILINÇ
11:00 - 11:40	Receptive fields and retinal processing	Beki KAN
11:50 - 12:30	Receptive fields and retinal processing	Beki KAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Vestibular senses	Ekin DÖNGEL
15:10 - 15:50	Vestibular senses	Ekin DÖNGEL
16:00 - 16:40	Physiology of vision	Mehmet ERGEN
16:50 - 17:30	Physiology of vision	Mehmet ERGEN

01.04.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	FC5 Discussion: The ear, auditory and vestibular pathways	Alp BAYRAMOĞLU
10:10 - 10:50	FC5 Discussion: The ear, auditory and vestibular pathways	Alp BAYRAMOĞLU
11:00 - 11:40	LAB: The ear and auditory pathway_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: The ear and auditory pathway_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Biophysics of auditory system	Evren KILINÇ
14:20 - 15:00	Biophysics of auditory system	Evren KILINÇ
15:10 - 15:50	Development of the eye and ear	Deniz YÜCEL
16:00 - 16:40	Development of the eye and ear	Deniz YÜCEL
16:50 - 17:30	Study Time	

02.04.2024 TUESDAY		
08:30 - 09:10	CMPS/RinH-II: Data Collection	
09:20 - 10:00	CMPS/RinH-II: Data Collection	
10:10 - 10:50	CMPS/RinH-II: Data Collection	
11:00 - 11:40	CMPS/RinH-II: Data Collection	
11:50 - 12:30	CMPS/RinH-II: Data Collection	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Data Collection/ MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
14:20 - 15:00	CMPS/RinH-II: Data Collection/ MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
15:10 - 15:50	CMPS/RinH-II: Data Collection/ MED 234 Medical English IV	BOWARSHI, DUMAN, KARACIBİOĞLU Zoom
16:00 - 16:40	CMPS/RinH-II: Data Collection	
16:50 - 17:30	CMPS/RinH-II: Data Collection	

03.04.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/ME&H-II: End of Life- TBL	ARTVİNLİ, ÜLMAN
11:00 - 11:40	CMPS/ME&H-II: End of Life- TBL	ARTVİNLİ, ÜLMAN
11:50 - 12:30	CMPS/ME&H-II: End of Life- TBL	ARTVİNLİ, ÜLMAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

04.04.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Physiology of hearing	Mehmet ERGEN
11:50 - 12:30	Taste and olfaction	Mehmet ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Alcohol, nicotine, stimulants and drug addiction	Emel BALOĞLU
14:20 - 15:00	Alcohol, nicotine, stimulants and drug addiction	Emel BALOĞLU
15:10 - 15:50	Clinical problems of peripheral vestibular system	Haluk ÖZKARAKAŞ
16:00 - 16:40	Conductive and sensorineural hearing problems	Ahmet KOÇ
16:50 - 17:30	Study Time	

05.04.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Central nervous system tumors	Ayça ERŞEN DANYELİ
11:00 - 11:40	Central nervous system tumors	Ayça ERŞEN DANYELİ
11:50 - 12:30	Pathology of neurodegenerative and demyelinating diseases	Ayça ERŞEN DANYELİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Electrooculogram_Group B	KILINÇ, Ö.ARSLAN, DURER Multidisciplinary Lab
14:20 - 15:00	LAB: Electrooculogram_Group B	KILINÇ, Ö.ARSLAN, DURER Multidisciplinary Lab
15:10 - 15:50	LAB: Electrooculogram_Group A	KILINÇ, Ö.ARSLAN, DURER Multidisciplinary Lab
16:00 - 16:40	LAB: Electrooculogram_Group A	KILINÇ, Ö.ARSLAN, DURER Multidisciplinary Lab
16:50 - 17:30	Study Time	

## 08.04.2024 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 09.04.2024 TUESDAY

08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

## 10.04.2024 WEDNESDAY

08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

## 11.04.2024 THURSDAY

08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

## 12.04.2024 FRIDAY

08:30 - 09:10	Ramadan Holiday
09:20 - 10:00	Ramadan Holiday
10:10 - 10:50	Ramadan Holiday
11:00 - 11:40	Ramadan Holiday
11:50 - 12:30	Ramadan Holiday
12:30 - 13:30	Ramadan Holiday
13:30 - 14:10	Ramadan Holiday
14:20 - 15:00	Ramadan Holiday
15:10 - 15:50	Ramadan Holiday
16:00 - 16:40	Ramadan Holiday
16:50 - 17:30	Ramadan Holiday

## 15.04.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Diagnosis in Psychiatry and Psychiatric Symptoms	Ürün Özer Ağırbaş
11:00 - 11:40	Psychosis	Burcu YAVUZ
11:50 - 12:30	Case Based Discussion: Alzheimer's disease	Mustafa SEÇKİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Intracranial tumors	Bahattin TANRIKULU
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 16.04.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Information transmission and content of information	Devrim ÖZ ARSLAN
10:10 - 10:50	CMPS/ME&H-II:Organ transplantation and donation	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H-II:Organ transplantation and donation	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H-II:Organ transplantation and donation	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV Midterm Exam	BOWARSHI, DUMAN, KARACİBİOĞLU
14:20 - 15:00	MED 234 Medical English IV Midterm Exam	BOWARSHI, DUMAN, KARACİBİOĞLU
15:10 - 15:50	MED 234 Medical English IV Midterm Exam	BOWARSHI, DUMAN, KARACİBİOĞLU
16:00 - 16:40	Mood disorders	Barış SANCAK
16:50 - 17:30	Mood disorders	Barış SANCAK

## 17.04.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Drugs for neurodegenerative diseases	Rezzan GÜLHAN
11:50 - 12:30	Drugs for neurodegenerative diseases	Rezzan GÜLHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

## 18.04.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Control mechanisms	Devrim ÖZ ARSLAN
10:10 - 10:50	Control mechanisms	Devrim ÖZ ARSLAN
11:00 - 11:40	Biochemical aspects of neurological disease	Mustafa SERTESER
11:50 - 12:30	Biochemical aspects of neurological disease	Mustafa SERTESER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Drugs for psychosis	Filiz ONAT
14:20 - 15:00	Drugs for mood disorders	Filiz ONAT
15:10 - 15:50	PANEL: Neurogenetics	BİLGUVAR, ÖZDUMAN
16:00 - 16:40	PANEL: Neurogenetics	BİLGUVAR, ÖZDUMAN
16:50 - 17:30	Study Time	

## 19.04.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00		
10:10 - 10:50	CMPS/ME&H-II:End of Life	Fatih ARTVİNLİ
11:00 - 11:40	CMPS/ME&H-II:End of Life	Fatih ARTVİNLİ
11:50 - 12:30	CMPS/ME&H-II:End of Life	Fatih ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
14:20 - 15:00	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
15:10 - 15:50	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
16:00 - 16:40	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
16:50 - 17:30	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR

22.04.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Meeting With Mentor	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

23.04.2024 TUESDAY		
08:30 - 09:10	National Sovereignty and Children's Day	
09:20 - 10:00	National Sovereignty and Children's Day	
10:10 - 10:50	National Sovereignty and Children's Day	
11:00 - 11:40	National Sovereignty and Children's Day	
11:50 - 12:30	National Sovereignty and Children's Day	
12:30 - 13:30	National Sovereignty and Children's Day	
13:30 - 14:10	National Sovereignty and Children's Day	
14:20 - 15:00	National Sovereignty and Children's Day	
15:10 - 15:50	National Sovereignty and Children's Day	
16:00 - 16:40	National Sovereignty and Children's Day	
16:50 - 17:30	National Sovereignty and Children's Day	

24.04.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Epilepsy in childhood	Uğur IŞIK
10:10 - 10:50	Cerebral palsy	Uğur IŞIK
11:00 - 11:40	Drugs for convulsions and epilepsies	Filiz ONAT
11:50 - 12:30	Drugs for convulsions and epilepsies	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

25.04.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Anxiety disorders	Barış SANCAK
10:10 - 10:50	Anxiety disorders	Barış SANCAK
11:00 - 11:40	Radiological anatomy and algorithm of the brain	Alp DİNÇER
11:50 - 12:30	Radiological anatomy and algorithm of the spine	Alp DİNÇER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Case Based Discussion: Stroke	Nazire AFŞAR
14:20 - 15:00	Case Based Discussion: Stroke	Nazire AFŞAR
15:10 - 15:50	Case Based Discussion: Epilepsy	Erkan ACAR
16:00 - 16:40	Case Based Discussion: Epilepsy	Erkan ACAR
16:50 - 17:30	Study Time	

26.04.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Pathology of peripheral nerve and muscle	Ayça ERŞEN DANYELİ
11:00 - 11:40	Pathology of cerebrovascular diseases	Ayça ERŞEN DANYELİ
11:50 - 12:30	Pathology of central nervous system infections	Ayça ERŞEN DANYELİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Approach to the patient with blurred consciousness in primary care	Demet DİNÇ
15:10 - 15:50	Neuromuscular disorders	Uğur IŞIK
16:00 - 16:40	Intellectual disability and developmental delay	Uğur IŞIK
16:50 - 17:30	Study Time	



29.04.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

30.04.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/ME&H-II:New medical technologies and bioethics-TBL	ÜLMAN, ARTVİNLİ
10:10 - 10:50	CMPS/ME&H-II:New medical technologies and bioethics-TBL	ÜLMAN, ARTVİNLİ
11:00 - 11:40	CMPS/ME&H-II:New medical technologies and bioethics-TBL	ÜLMAN, ARTVİNLİ
11:50 - 12:30	CMPS/ME&H-II:New medical technologies and bioethics-TBL	ÜLMAN, ARTVİNLİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

01.05.2024 WEDNESDAY		
08:30 - 09:10	Labor and Solidarity Day	
09:20 - 10:00	Labor and Solidarity Day	
10:10 - 10:50	Labor and Solidarity Day	
11:00 - 11:40	Labor and Solidarity Day	
11:50 - 12:30	Labor and Solidarity Day	
12:30 - 13:30	Labor and Solidarity Day	
13:30 - 14:10	Labor and Solidarity Day	
14:20 - 15:00	Labor and Solidarity Day	
15:10 - 15:50	Labor and Solidarity Day	
16:00 - 16:40	Labor and Solidarity Day	
16:50 - 17:30	Labor and Solidarity Day	

02.05.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Review and discussion of CNS pathologies	Ayça ERŞEN DANYELİ
14:20 - 15:00	Review and discussion of CNS pathologies	Ayça ERŞEN DANYELİ
15:10 - 15:50	General and local anesthetics	Emel BALOĞLU
16:00 - 16:40	Muscle relaxants	Emel BALOĞLU
16:50 - 17:30	Study Time	

03.05.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Biofeedback and reaction time_ Group B	KILINÇ, Ö.ARASLAN, DURER Multidisciplinary Lab
10:10 - 10:50	LAB: Biofeedback and reaction time_ Group B	KILINÇ, Ö.ARASLAN, DURER Multidisciplinary Lab
11:00 - 11:40	LAB: Biofeedback and reaction time_ Group A	KILINÇ, Ö.ARASLAN, DURER Multidisciplinary Lab
11:50 - 12:30	LAB: Biofeedback and reaction time_ Group A	KILINÇ, Ö.ARASLAN, DURER Multidisciplinary Lab
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
14:20 - 15:00	MPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
15:10 - 15:50	MPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
16:00 - 16:40	MPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
16:50 - 17:30	MPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR

06.05.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Formative Assessment II	ALTINTAŞ, ÖZ ARSLAN
11:50 - 12:30	Formative Assessment II	ALTINTAŞ, ÖZ ARSLAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

07.05.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

08.05.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/Study Time	
16:50 - 17:30	Elective Course IV/Study Time	

09.05.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	MED 212 THEORETICAL EXAMINATION II	
11:50 - 12:30	MED 212 THEORETICAL EXAMINATION II	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

10.05.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
14:20 - 15:00	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
15:10 - 15:50	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
16:00 - 16:40	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR
16:50 - 17:30	CMPS/RinH-II: Data analyses (statistical counselling for research)	Figen DEMİR

13.05.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Introduction to MED 214 Growth, Development and Endocrine Disorders	Nihan ÜNÜBOL - Müjdat KARA
10:10 - 10:50	Thyroid and parathyroid glands	Elif KESKİNÖZ
11:00 - 11:40	Pancreas and adrenal gland	Elif KESKİNÖZ
11:50 - 12:30	Lunch Time	
12:30 - 13:30	Histology of the pituitary gland, pineal gland and endocrine pancreas	Serap ARBAK
13:30 - 14:10	Histology of the thyroid, parathyroid and adrenal gland	Serap ARBAK
14:20 - 15:00	Development of endocrine organs	Merve AÇIKEL ELMAS
15:10 - 15:50	Introduction to TBL	YAPIŞLAR, AKSUNGAR
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

14.05.2024 TUESDAY		
08:30 - 09:10	Study Time for TBL	
09:20 - 10:00	Study Time for TBL	
10:10 - 10:50	LAB: Histology of endocrine system_Group A	ARBAK, YÜCEL, A.ELMAS Multidisciplinary Lab
11:00 - 11:40	LAB: Histology of endocrine system_Group A	ARBAK, YÜCEL, A.ELMAS Multidisciplinary Lab
11:50 - 12:30	CMPS/ME&H-II: Written Examination	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	LAB: Adrenal glands, Pancreas,Thyroid, Parathyroid_Group A	AKTEKİN, BAYRAMOĞLU, KESİNÖZ
16:50 - 17:30	LAB: Adrenal glands, Pancreas,Thyroid, Parathyroid_Group B	AKTEKİN, BAYRAMOĞLU, KESİNÖZ

15.05.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Histology of endocrine system_Group B	ARBAK, YÜCEL, A.ELMAS Multidisciplinary Lab
10:10 - 10:50	LAB: Histology of endocrine system_Group B	ARBAK, YÜCEL, A.ELMAS Multidisciplinary Lab
11:00 - 11:40	Study Time for TBL	
11:50 - 12:30	Study Time for TBL	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MPS/RinH-II: Data analyses (statistical counselling for research)/Elective in Medicine	Figen DEMİR
14:20 - 15:00	MPS/RinH-II: Data analyses (statistical counselling for research)/Elective in Medicine	Figen DEMİR
15:10 - 15:50	MPS/RinH-II: Data analyses (statistical counselling for research)/Elective in Medicine	Figen DEMİR
16:00 - 16:40	MPS/RinH-II: Data analyses (statistical counselling for research)/Elective Course IV	Figen DEMİR
16:50 - 17:30	MPS/RinH-II: Data analyses (statistical counselling for research)/Elective Course IV	Figen DEMİR

16.05.2024 THURSDAY		
08:30 - 09:10	Study Time for TBL	
09:20 - 10:00	TBL Session 1: General principles of hormones	YAPIŞLAR, AKSUNGAR
10:10 - 10:50	TBL Session 1: General principles of hormones	YAPIŞLAR, AKSUNGAR
11:00 - 11:40	TBL Session 1: General principles of hormones	YAPIŞLAR, AKSUNGAR
11:50 - 12:30	Study Time for TBL	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time for TBL	
14:20 - 15:00	Study Time for TBL	
15:10 - 15:50	Study Time for TBL	
16:00 - 16:40	Study Time for TBL	
16:50 - 17:30	Study Time for TBL	

17.05.2024 FRIDAY		
08:30 - 09:10	Study Time for TBL	
09:20 - 10:00	Study Time for TBL	
10:10 - 10:50	Study Time for TBL	
11:00 - 11:40	Study Time for TBL	
11:50 - 12:30	Study Time for TBL	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time for TBL	
14:20 - 15:00	Study Time for TBL	
15:10 - 15:50	Study Time for TBL	
16:00 - 16:40	Study Time for TBL	
16:50 - 17:30	Study Time for TBL	

20.05.2024 MONDAY		
08:30 - 09:10	Study Time for TBL	
09:20 - 10:00	Study Time for TBL	
10:10 - 10:50	Study Time for TBL	
11:00 - 11:40	Study Time for TBL	
11:50 - 12:30	Study Time for TBL	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YAŞIN, DİNÇ.PARKAN
14:20 - 15:00	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YAŞIN, DİNÇ.PARKAN
15:10 - 15:50	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YAŞIN, DİNÇ.PARKAN
16:00 - 16:40	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YAŞIN, DİNÇ.PARKAN
16:50 - 17:30	CMPS/CS Decontamination disinfection hand washing sterile gloves	DEMİR, TOPSEVER, YAŞIN, DİNÇ.PARKAN

21.05.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Neoplasms of the thyroid	Fatma TOKAT
10:10 - 10:50	Thyroiditis, goiter and congenital anomalies	Fatma TOKAT
11:00 - 11:40	Thyroid gland diseases	Özlem ÇELİK
11:50 - 12:30	Study Time for TBL	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİOĞLU Zoom
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

22.05.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Pituitary hormones and hypothalamic releasing factors	Emel BALOĞLU
11:00 - 11:40	Thyroid hormones and antithyroid drugs	Rezzan GÜLHAN
11:50 - 12:30	Nutritional pharmacology, minerals and vitamins	Rezzan GÜLHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/ Study Time for TBL	
16:50 - 17:30	Elective Course IV/Study Time for TBL	

23.05.2024 THURSDAY		
08:30 - 09:10	Study Time for TBL	
09:20 - 10:00	Study Time for TBL	
10:10 - 10:50	TBL Session 2: Hormones affecting growth and development	YAPIŞLAR, AKSUNGAR
11:00 - 11:40	TBL Session 2: Hormones affecting growth and development	YAPIŞLAR, AKSUNGAR
11:50 - 12:30	TBL Session 2: Hormones affecting growth and development	YAPIŞLAR, AKSUNGAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Pituitary diseases	Müjdat KARA
14:20 - 15:00	Pituitary diseases	Müjdat KARA
15:10 - 15:50	Pathology of pituitary and hypothalamus	Ayça ERŞEN DANYELİ
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

24.05.2024 FRIDAY		
08:30 - 09:10	Study Time for TBL	
09:20 - 10:00	Study Time for TBL	
10:10 - 10:50	PANEL Genetic approach to short stature, Growth disorders in childhood	ALANAY, ABALI
11:00 - 11:40	PANEL Genetic approach to short stature, Growth disorders in childhood	ALANAY, ABALI
11:50 - 12:30	Development of reproductive system and puberty	Saygın ABALI
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Agents affecting mineral ion homeostasis and bone turnover	Filiz ONAT
15:10 - 15:50	Biochemistry of adipose tissue	Ahmet Tarık BAYKAL
16:00 - 16:40	Biochemistry of adipose tissue	Ahmet Tarık BAYKAL
16:50 - 17:30	Biochemistry of adipose tissue	Ahmet Tarık BAYKAL

27.05.2024 MONDAY		
08:30 - 09:10	CMPS/RinH-II: Research project presentation	
09:20 - 10:00	CMPS/RinH-II: Research project presentation	
10:10 - 10:50	CMPS/RinH-II: Research project presentation	
11:00 - 11:40	CMPS/RinH-II: Research project presentation	
11:50 - 12:30	CMPS/RinH-II: Research project presentation	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/RinH-II: Research project presentation	
14:20 - 15:00	CMPS/RinH-II: Research project presentation	
15:10 - 15:50	CMPS/RinH-II: Research project presentation	
16:00 - 16:40	CMPS/RinH-II: Research project presentation	
16:50 - 17:30	CMPS/RinH-II: Research project presentation	

28.05.2024 TUESDAY		
08:30 - 09:10	CMPS/RinH-II: Research project presentation	
09:20 - 10:00	CMPS/RinH-II: Research project presentation	
10:10 - 10:50	CMPS/RinH-II: Research project presentation	
11:00 - 11:40	CMPS/RinH-II: Research project presentation	
11:50 - 12:30	CMPS/RinH-II: Research project presentation	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
14:20 - 15:00	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
15:10 - 15:50	MED 234 Medical English IV	BOWARSHI, DUMAN, KARACİBİÖĞLU Zoom
16:00 - 16:40	Pathology of endocrine pancreas	Özlem AYDIN
16:50 - 17:30	Pathology of adrenal cortex and medulla	Özlem AYDIN

29.05.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Adrenal gland diseases	Rüştü SERTER
10:10 - 10:50	Adrenal gland diseases	Rüştü SERTER
11:00 - 11:40	Adrenocortical hormones and their antagonists	Rezzan GÜLHAN
11:50 - 12:30	Adrenocortical hormones and their antagonists	Rezzan GÜLHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Elective Course IV/ Study Time for TBL	
16:50 - 17:30	Elective Course IV/Study Time for TBL	

30.05.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL Session 3: Hormones affecting metabolism	YAPIŞLAR, AKSUNGAR
10:10 - 10:50	TBL Session 3: Hormones affecting metabolism	YAPIŞLAR, AKSUNGAR
11:00 - 11:40	TBL Session 3: Hormones affecting metabolism	YAPIŞLAR, AKSUNGAR
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Endocrine pancreas and diabetes mellitus	Ender ARIKAN
14:20 - 15:00	Endocrine pancreas and diabetes mellitus	Ender ARIKAN
15:10 - 15:50	Endocrine pancreas and diabetes mellitus	Ender ARIKAN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

31.05.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Type I Diabetes Mellitus	Serap SEMİZ
10:10 - 10:50	Calcium and bone disorders in children	Serap SEMİZ
11:00 - 11:40	Hypoglycemic Disorders	Yıldız OKUTURLAR
11:50 - 12:30	Genetic basis of diabetes mellitus	Saygın ABALI
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Pharmacology of endoc. pancreas: Insulin, oral hypoglycemic agents	Filiz ONAT
15:10 - 15:50	Pharmacology of endoc. pancreas: Insulin, oral hypoglycemic agents	Filiz ONAT
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 03.06.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Community nutrition	Yeşim YAŞIN
11:50 - 12:30	Breast feeding	Yeşim YAŞIN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Active case of endocrine disorders in childhood in primary care	Demet DİNÇ
14:20 - 15:00	Primary care management of overweight and obesity	Demet DİNÇ
15:10 - 15:50	Primary care approach to impaired glucose homeostasis	Pınar TOPSEVER
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 04.06.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Radiological anatomy and algorithm of the endocrine system	Füsun TAŞKIN
11:50 - 12:30	Radiological anatomy and algorithm of the endocrine system	Füsun TAŞKIN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Body fat and obesity	İnan ANAFOROĞLU
14:20 - 15:00	Disorders of mineral metabolism	İnan ANAFOROĞLU
15:10 - 15:50	MED 234 Medical English IV Final Exam	BOWARSHI, DUMAN, KARACİBİOĞLU
16:00 - 16:40	MED 234 Medical English IV Final Exam	BOWARSHI, DUMAN, KARACİBİOĞLU
16:50 - 17:30	Study Time	

## 05.06.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	PANEL: Malnutrition	TOPSEVER, ÇELİK, ABALI, AKSUNGAR
10:10 - 10:50	PANEL: Malnutrition	TOPSEVER, ÇELİK, ABALI, AKSUNGAR
11:00 - 11:40	PANEL: Malnutrition	TOPSEVER, ÇELİK, ABALI, AKSUNGAR
11:50 - 12:30	PANEL: Malnutrition	TOPSEVER, ÇELİK, ABALI, AKSUNGAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time for TBL	
16:50 - 17:30	Study Time for TBL	

## 06.06.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	TBL Review Lecture	YAPIŞLAR, AKSUNGAR
11:00 - 11:40	TBL Review Lecture	YAPIŞLAR, AKSUNGAR
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 07.06.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

10.06.2024 MONDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

11.06.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Formative Assessment	ALTINTAŞ, ÜNÜBOL
11:00 - 11:40	Formative Assessment	ALTINTAŞ, ÜNÜBOL
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

12.06.2024 WEDNESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

13.06.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	MED 214 THEORETICAL EXAMINATION
14:20 - 15:00	MED 214 THEORETICAL EXAMINATION
15:10 - 15:50	
16:00 - 16:40	
16:50 - 17:30	

14.06.2024 FRIDAY

08:30 - 09:10	
09:20 - 10:00	
10:10 - 10:50	
11:00 - 11:40	
11:50 - 12:30	
12:30 - 13:30	
13:30 - 14:10	
14:20 - 15:00	
15:10 - 15:50	
16:00 - 16:40	
16:50 - 17:30	

YEAR  
**III**





## YEAR III - COURSES (2023-2024)

COURSE CATEGORY	CODE	COURSE NAME	Theoretical Hours				Practical Hours				Instructional Time	Study Time	TOTAL (Student workload)	National Credits	ECTS	
			Lecture	SCLA	Sub Total	Lab study	Field study	"Simulated Clinical Practice"	"Clinical Practice"	Sub Total						
Biomedical Subject Committees (BSC)	MED 311	Cardiovascular System and Related Disorders	113	6	119	5			2			126	90	216	8	7
	MED 313	Respiratory System and Related Disorders	64	15	79	10			2			91	70	161	6	6
	MED 315	Gastrointestinal System and Related Disorders	112	11	123	10						133	100	233	10	10
	MED 312	Urogenital System and Related Disorders	93	15	108	12						120	90	210	8	8
	<b>BSC3</b>	<b>TOTAL</b>	<b>382</b>	<b>47</b>	<b>429</b>	<b>37</b>			<b>0</b>			<b>470</b>	<b>350</b>	<b>820</b>	<b>32</b>	<b>31</b>
Clinical Medicine & Professional Skills (CMPS) Program	MED 321	Evidence Based Medicine	0	20	20				1			21	80	101	2	4
	MED 323	Health and Society-II	16		16		48					64	100	164	4	7
	<b>CMPS 3</b>	<b>TOTAL</b>	<b>16</b>	<b>20</b>	<b>36</b>		<b>48</b>		<b>1</b>			<b>85</b>	<b>180</b>	<b>265</b>	<b>6</b>	<b>11</b>
	EMED 301	Electives in Medicine-IV	7	14	21	14	14					49	60	109	2	4
<b>TOTAL</b>			<b>405</b>	<b>81</b>	<b>486</b>	<b>51</b>	<b>62</b>	<b>1</b>	<b>0</b>	<b>118</b>	<b>604</b>	<b>590</b>	<b>1194</b>	<b>40</b>	<b>46</b>	

**SCLA:** Student Centered Learning Activities (Problem-Based Learning (PBL), Team Based learning (TBL), Case Based Learning (CBL), Flipped Classroom, Workshops.)

**Field Study:** Site visits, Studies in the community, Working in primary care.

**Lab Study:** Practices in Basic Science and Computer Labs.

**Simulated Clinical Practice:** Practices in clinical skills labs. (CASE)

**Clinical Practice:** Bed side, Outpatient clinic, Operation room.

**Study Time:** Self Directed Learning, Preparation.

Course Name	Cardiovascular System and Related Disorders	MED 311
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year III / Fall
Course Dates	30.10.2023 – 08.12.2023

Theoretical Hours	119	Credit 8	ECTS 7
Practical Hours	7		
Study Hours	90		
TOTAL HOURS	216		

### Course Chairs

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M.A, MSc. Ph.D., Assoc. Prof. Public Health

**Nalan KARADAĞ\***

M.D., Instructor Cardiology

\*Visiting Professor

<b>Educational Methods</b>	<b>Lectures, panel and clinical practice</b>
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### Course Aims

The aim of this course is to provide knowledge about the normal structure and function of the cardiovascular system. It also aims to explain pathological changes in these structures and relate them with common cardiovascular diseases

### Learning Outcomes

By the end of this course, the students will be able to:

1. Describe the structures macroscopically and microscopically that make up the cardiovascular system and explain macroscopic pathological changes.
2. Describe developmental processes and disorders of cardiovascular system
3. Explain normal electrical activity and basic disorders and pharmacological approach of the heart.
4. Explain normal mechanical activity and basic disorders and pharmacological approach of the heart
5. Explain the relationship of the heart and circulatory system and vascular pathologies.
6. Explain the mechanisms that determine the dynamics of circulation
7. Explain the mechanisms of regulation, disorders and pharmacological approaches of CVD
8. Describe the formation, regulation, disorders and pharmacological approaches of blood pressure
9. Explain the regulation of coronary circulation, basic disorders and pharmacological approach
10. Explain strategies for evaluation and prevention of common CVS diseases.
11. Explain the understanding of genetic determinants of CVD

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations</b>
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Course Name	Urogenital System and Related Disorders	MED 312
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year III / Spring
Course Dates	12.02.2024 – 05.04.2024

Theoretical Hours	108	Credit 8	ECTS 8
Practical Hours	12		
Study Hours	90		
TOTAL HOURS	210		

### Course Chairs

**Mehmet ERGEN**  
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### Course Lecturers

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M.D., Ph.D., Prof. Physiology

<b>Educational Methods</b>	<b>Lectures, Lab Study, Panel and Problem Based Learning Sessions</b>
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**Course Aims**

The aim of this course is to provide knowledge about normal structure and function of the urogenital system. It also aims to explain pathological changes in these structures and associate them with common urogenital system diseases

**Learning Outcomes**

By the end of this course, the students will be able to:

1. Explain the location of the urogenital system organs and related structures, macroscopic and microscopic features and developmental processes
2. Explain the functions and functioning mechanisms of the urogenital system organs and related structures
3. Describe the disorders and pathological changes that may occur in the urinary system and explain pharmacological approaches that relate to basic clinical diseases
4. Describe the disorders and pathological changes that may occur in the genital system and explain pharmacological approaches that relate to basic clinical diseases
5. Describe urinary incidence, storage and discharge mechanisms, associated disorders and pharmacological approaches.
6. Explain the urogenital system infectious agents, clinical manifestations and pharmacological approach.
7. Explain the basic principles of screening in the urogenital system
8. Explain liquid electrolyte balance and acid balance and its disorders

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations, Active Attendance / Performance Assessment</b>
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Course Name	Respiratory System and Related Disorders	MED 313
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year III / Fall
Course Dates	25.09.2023 – 27.10.2023

Theoretical Hours	79	Credit 6	ECTS 6
Practical Hours	12		
Study Hours	70		
TOTAL HOURS	161		

### Course Chairs

**Meltem KOLGAZİ**  
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### Course Lecturces

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**Çağlar ÇUHADAROĞLU**  
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\*Visiting Professor

<b>Educational Methods</b>	Lectures, Lab Study, TBL Sessions, FC Sessions, Panels, and Clinical practice
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### Course Aims

This course aims to explain the normal structure and function of the respiratory system and their pathological changes, and to be able to associate these changes with the clinical knowledge related to index diseases.

### Learning Outcomes

By the end of this course, the students will be able to:

1. Explains the structures and development processes of respiratory system.
2. Explains the mechanism of respiratory physiology.
3. Describe the concept of respiration and explains its relationship with gas laws.
4. Explains the principles of mechanical operation of respiratory system.
5. Explains the respiratory regulation mechanisms
6. Explains the concepts of ventilation, perfusion and diffusion, mechanisms and pathological changes and correlates with clinical information
7. Describe the infectious agents associated with respiratory system, explain the pathological changes related to it and associates with clinical knowledge
8. Explains pathological changes in airways and correlates with clinical knowledge
9. Explains pathological changes associated with vascular structure of respiratory system and correlates with clinical knowledge
10. Explains the effects of tobacco use on the normal structure and the functions of the respiratory system
11. Defines the tumoral lesions of the respiratory system
12. Explains pharmacological approaches related to respiratory disorders

<b>Assessment Methods</b>	Theoretical and Practical Examinations, Active Attendance / Performance Assessment
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Course Name	Gastrointestinal System and Related Disorders	MED 315
Course Category	Biomedical Subject Committee	BSC

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year III / Fall
Course Dates	11.12.2023 – 26.01.2024

Theoretical Hours	123	Credit 10	ECTS 10
Practical Hours	10		
Study Hours	100		
TOTAL HOURS	233		

### Course Chairs

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### Course Lecturers

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**Eser KUTSAL\***

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**Özdal ERSOY**

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**Can GÖNEN**

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**Işıl PAKİŞ**

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**Bülent DEĞERTEKİN\***

*M.D., Prof. Internal Medicine*

**\*Visiting Professor**

<b>Educational Methods</b>	<b>Lectures, Lab Study, Problem Based Learning Sessions and Team Based Learning Sessions</b>
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**Course Aims**

The aim of this course is to provide knowledge about normal structure and function of the gastrointestinal. It also aims to explain pathological changes in these processes and structures and associate them with common gastrointestinal system diseases

**Learning Outcomes**

By the end of this course, the students will be able to:

1. Explain the location, macroscopic and microscopic features and development processes of the organs of the gastrointestinal tract and related structures
2. Explain the functions of gastrointestinal system organs and related structures and define the mechanism of operation
3. Explain functional and organic disorders that may occur in gastrointestinal system, explain pathological changes and associate them with basic clinical diseases
4. Explain microbiota, explain related disorders, clinical presentations
5. Describe GIS tumors, explain their development and clinical presentations, screening approaches
6. Explains the pharmacological approaches for the treatment of functional and organic disorders of GI Tract
7. Explain the biochemical features and mechanisms of GI system including related disorders and laboratory tests
8. Describe the common GI disorders in childhood including GI embryogenesis
9. Explain pathological changes in GI system including tumors and define the associations with clinical diseases
10. Define the molecular basis of GI disorders
11. Explain the radiological anatomy of GI tract
12. Define GI disorders in primary care and discuss their primary prevention and also explain food safety regarding public health

<b>Assessment Methods</b>	<b>Theoretical and Practical Examinations, Active Attendance / Performance Assessment</b>
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Course Name	Evidence Based Medicine	MED 321
Course Category	Clinical Medicine and Professional Skills	CMPS

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year III / Fall
Course Dates	27.09.2023 – 19.12.2023

Theoretical Hours	20	Credit 2	ECTS 4
Practical Hours	1		
Study Hours	80		
TOTAL HOURS	101		

#### Course Chairs

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**Figen DEMİR**  
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#### Course Lecturers

**Pınar TOPSEVER**  
M.D., Prof. Family Medicine

**Demet DİNÇ**  
M.D., Instructor Family Medicine

**Şirin PARKAN**  
M.D., Instructor Family Medicine

**Levent ALTINTAŞ**  
M.D., Assoc. Prof. Medical Education

**Melike ŞAHİNER**  
M.D., MSc., Ph.D., Assoc. Prof. Medical  
Education

**Dilek KİTAPÇIOĞLU**  
M.D., Assist. Prof. Medical Education

**Işıl PAKIŞ**  
M.D., Prof. Forensic Medicine

**Figen DEMİR**  
M.D., Assoc. Prof. Public Health

<b>Educational Methods</b>	Theoretical and practical sessions, peer discussions, experiential learning, case studies and group presentations, simulated patient encounters
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### Course Aims

This course aims;  
**Research in Health: Evidence Based Medicine (EBM)**  
*-Critical Appraisal of Medical Literature-*  
 To create a learning opportunity for students to gain necessary knowledge and skills about basic introduction to the principles of Evidence-Based Practice in medicine, concerning the effective use of medical literature for the diagnosis and the treatment of their patients.

- Advanced Communication Skills:**
- To enable students to effectively manage difficult situations and sensitive issues during medical interviews using appropriate communication skills

### Learning Outcomes

By the end of this subject committee, the students will be able to:

- Research in Health: Evidence Based Medicine (EBM)**  
*-Critical Appraisal of Medical Literature-*
- define Evidence-Based Practice (EBP)
  - identify EBP searching strategies
  - define the hierarchy of evidence according to study type
  - identify key questions that help evaluate the validity of the results of a study
  - account key questions used in clinical trails and acquire skills for critically appraising the experimental studies,
  - account key questions used in studies of harm and acquire skills for critically appraising the observational studies
  - define validity (sensitivity, specificity, positive and negative predictive values) and reliability
  - define confounding factors, and random error
  - define and name the types of bias
  - interpret study findings, p value and confidence interval Critically evaluate research methodologies and findings

- Advanced Communication Skills**
- Define “difficult patient encounter”
  - Name the steps of the process of breaking bad news
  - Be aware of the function of communication skills for the management of “difficult patient encounters”
  - Be aware of the function of non-verbal communication and active listening skills for managing sensitive issues in medical interviews
  - Define and demonstrate communication skills necessary for managing patients in specific clinical contexts (e.g. Initiating behaviour change).
  - Define the circle of behaviour change
  - Discuss and name methods and communication skills necessary to induce change of risky health behaviour (e.g. brief intervention, motivational interviewing)
  - Value the importance of a patient-centered approach for managing difficult patient encounters

<b>Assessment Methods</b>	Written examination, case analyses, assignments, IRAT, GRAT, group working in class activity, simulated patient encounters and feedback
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Course Name	Health and Society- II	MED 323
Course Category	Clinical Medicine and Professional Skills	CMPS

Course Type	Compulsory
Medium of Instruction	English
Year / Semester	Year III / Spring
Course Dates	12.02.2024 – 05.04.2024

Theoretical Hours	16	Credit 4	ECTS 7
Practical Hours	48		
Study Hours	100		
TOTAL HOURS	164		

#### Course Chairs

Yeşim YASİN

M.A, MSc. Ph.D., Assoc. Prof. Public Health  
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#### Course Lecturces

Pınar TOPSEVER

M.D., Prof. Family Medicine

Yeşim YASİN

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Levent ALTINTAŞ

M.D., Assoc. Prof. Medical Education

Mehmet ERGEN

D.V.M. PhD., Assist. Prof. Physiology

Figen DEMİR

M.D., Assoc. Prof. Public Health

Berna EREN\*

M.D., Assist. Prof. Healthcare Management

\*Visiting Professor

<b>Educational Methods</b>	Observation- and performing of primary care services in a Family Health Center, group presentations and discussions, reflective and peer group learning experiences, interactive lectures and self-directed learning sessions.
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### Course Aims

This course aims to;

**Health and Society:**

- Observe clinical practice in Primary Care (PC)
- Consolidate, and transfer prior learning into the primary health care setting and practice of them.

**Clinical and Communication Skills: Basic Physical Examination Skills**

- Perform basic physical examination in a simulated environment
- Tell apart normal PE findings from pathological ones

**Health Systems and Policy**

- To develop a broad understanding of health systems and health care delivery processes.
- To explain Turkey Health System
- Assess individual and community needs.
- Demonstrate an awareness of the key concepts in health promotion
- Appreciate the main approaches which can be used in implementing health promotion at individual, community, and policy development levels

**Health Economics**

- To introduce students to economic principles, to encourage students to develop an understanding of how economic principles can be applied in health care decision making.

### Learning Outcomes

By the end of this subject committee, the students will be able to:

**Health and Society: Practice in Primary Care**

- Observe the social, cultural economic and political factors of health and illness in the primary health care system
- Develop familiarity with practice of health care in the primary care setting
- Develop an awareness of the scope of primary health care services
- Identify and explore the key requirements in primary care practice
- Practice in history taking (anamnesis) and basic physical examination
- Communicate effectively with patients, their relatives/carers to collect and to give information
- Practice in consultative and scholar communication skills

**Health Systems and Policy**

- Be familiar with goals and objectives of health systems and be introduced to concepts such as equity, efficiency, effectiveness and choice
- Understand how health systems are organised and financed; how priorities are identified, resources allocated and providers paid
- Differentiate advantages and disadvantages of different structural arrangements, financing and provider payment methods and delivery systems
- Be able to identify key challenges faced by health systems
- Be familiar with international health system development trends

**Health Economics**

- Describe economic principles
- Define key terms and priority setting that will be needed in health economics
- Explain different types of economic evaluation: cost minimization analysis, cost utility analysis, cost consequences analysis and cost benefit analysis
- List the tools of health economics and how they influence priorities
- Provide examples of various health care systems and their relationship to market economics.

<b>Assessment Methods</b>	Written examination, case analyses, assignments.
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# YEAR 3 FALL SEMESTER SCHEDULE



25.09.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to the Year 3	Sinem ÖKTEM OKULLU
11:00 - 11:40	Introduction to MED 313 Respiratory System	Meltem KOLGAZİ, Çağlar ÇUHADAROĞLU
11:50 - 12:30	FC 1: Study Time: Deepback muscles, sub-occipital region	
12:30 - 13:30	FC 1: Study Time: The root of neck / The neck	
13:30 - 14:10	Lunch Time	
14:20 - 15:00	FC 1: Study Time: Muscular triangles of the neck	
15:10 - 15:50	FC 1: Study Time: Muscular triangles of the neck	
16:00 - 16:40	FC 1: Group study time: Deepback muscles, sub-occipital region/The root of neck/The Neck/ Muscular triangles of the Neck	
16:50 - 17:30	Study Time	

26.09.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	The nose, associated structures and paranasal sinuses	Mustafa AKTEKİN
10:10 - 10:50	The nose, associated structures and paranasal sinuses	Mustafa AKTEKİN
11:00 - 11:40	FC 2: Study Time: The Larynx	
11:50 - 12:30	FC 2: Study Time: The Larynx	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC 2: study time: The Trachea and the Lungs	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

27.09.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM: Introduction to CMPS	DEMİR, TOPSEVER
11:00 - 11:40	CMPS/EBM: Introduction to the principles of evidence based medicine	DEMİR, TOPSEVER
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Introduction to Elective in Medicine	
14:20 - 15:00	Introduction to Elective in Medicine	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

28.09.2023 THURSDAY

08:30 - 09:10	FC-1: Quiz & Discussion: Deepback muscles, sub-occipital region/The root of neck/ The Neck/ Muscular triangles of the Neck	Alp BAYRAMOĞLU
09:20 - 10:00	LAB: Deep back muscles, suboccipital region Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: The Neck and Muscular triangles Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Deep back muscles, suboccipital region Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: The Neck and Muscular triangles Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

29.09.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	FC 2: Group study time: The Larynx, The Trachea and The Lungs	
11:00 - 11:40	The ideal gas law, gas mixtures	Beki KAN
11:50 - 12:30	The ideal gas law, gas mixtures	Beki KAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	LAB: The Nose, Associated structures and Paranasal Sinuses Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	LAB: The Nose, Associated structures and Paranasal Sinuses Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	CMPS/EBM: Error sources in epidemiological studies-1-study time for TBL	
16:50 - 17:30	CMPS/EBM: Error sources in epidemiological studies-1-study time for TBL	



02.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Meeting With Mentor	
10:10 - 10:50	LAB: The Nose, Associated structures and Paranasal Sinuses Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: The Nose, Associated structures and Paranasal Sinuses Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC-2: Quiz & Discussion: The Larynx, trachea and lungs	Alp BAYRAMOĞLU
14:20 - 15:00	FC-2: Quiz & Discussion: The Larynx, trachea and lungs	Alp BAYRAMOĞLU
15:10 - 15:50	Surface tension of alveoli	Beki KAN
16:00 - 16:40	Surface tension of alveoli	Beki KAN
16:50 - 17:30	Study time	

03.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Larynx, trachea and lungs Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Larynx, trachea and lungs Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Larynx, trachea and lungs Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Larynx, trachea and lungs Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Histology of the upper respiratory system	Merve AÇIKEL ELMAS
14:20 - 15:00	Histology of the lower respiratory system	Merve AÇIKEL ELMAS
15:10 - 15:50	Viral and fungal diseases of the lung	Handan ZEREN
16:00 - 16:40	Bacterial pneumonias and lung abscess	Handan ZEREN
16:50 - 17:30	Study time	

04.10.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM: Error sources in epidemiological studies-1(RATs)	Figen DEMİR
11:00 - 11:40	CMPS/EBM: Error sources in epidemiological studies-1(practice)	Figen DEMİR
11:50 - 12:30	CMPS/EBM: Error sources in epidemiological studies-1(practice)	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

05.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Drugs in chronic obstructive pulmonary disease	Rezzan GÜLHAN
10:10 - 10:50	The Thoracic Wall	Mustafa AKTEKİN
11:00 - 11:40	The Thoracic Wall	Mustafa AKTEKİN
11:50 - 12:30	FC 3: Study Time: Mediastinum and diaphragm	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Diseases of the upper airways	Handan ZEREN
14:20 - 15:00	Diseases of the upper airways	Handan ZEREN
15:10 - 15:50	Diseases of the upper airways	Handan ZEREN
16:00 - 16:40	Development of Respiratory System	Deniz YÜCEL
16:50 - 17:30	FC 3: Group Study Time: Mediastinum, diaphragm	

06.10.2023 FRIDAY		
08:30 - 09:10	FC 3: Group Study Time: Mediastinum, diaphragm	
09:20 - 10:00	Panel: TBC	KOCAGÖZ, ÇUHADAROĞLU, YAŞIN, ZEREN
10:10 - 10:50	Panel: TBC	KOCAGÖZ, ÇUHADAROĞLU, YAŞIN, ZEREN
11:00 - 11:40	Panel: TBC	KOCAGÖZ, ÇUHADAROĞLU, YAŞIN, ZEREN
11:50 - 12:30	Panel: TBC	KOCAGÖZ, ÇUHADAROĞLU, YAŞIN, ZEREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Transfer of respiratory gases in blood	Devrim ÖZ ARSLAN
14:20 - 15:00	Effects of incr. & decreased lung press. (deep sea diving-high altitude)	Devrim ÖZ ARSLAN
15:10 - 15:50	CMPS/EBM: Error sources in epidemiological studies-2-study time for TBL	
16:00 - 16:40	CMPS/EBM: Error sources in epidemiological studies-2-study time for TBL	
16:50 - 17:30	Study Time	

09.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Upper respiratory system infections	Hülya KUŞOĞLU
10:10 - 10:50	Upper respiratory system infections	Hülya KUŞOĞLU
11:00 - 11:40	Tumors of pleura and mediastinum	Handan ZEREN
11:50 - 12:30	LAB: Histology of respiratory system Group A and B	ARBAK, YÜCEL, A.ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	FC-3: Quiz & Discussion: Mediastinum & diaphragm	Mustafa AKTEKİN
14:20 - 15:00	FC-3: Quiz & Discussion: Mediastinum & diaphragm	Mustafa AKTEKİN
15:10 - 15:50	LAB: Thoracic wall, Diaphragm, Mediastinum Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:00 - 16:40	LAB: Thoracic wall, Diaphragm, Mediastinum Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
16:50 - 17:30	Study Time	

10.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Respiratory system functions	Hande YAPIŞLAR
11:00 - 11:40	Respiratory system functions	Hande YAPIŞLAR
11:50 - 12:30	Alveolar and tissue respiration	Hande YAPIŞLAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Diffuse interstitial lung diseases	Handan ZEREN
14:20 - 15:00	Pathology of the pulmonary circulation	Handan ZEREN
15:10 - 15:50	Upper airway infections in child	Sibel AKA
16:00 - 16:40	Upper airway infections in child	Sibel AKA
16:50 - 17:30	Study Time	

11.10.2023 WEDNESDAY		
08:30 - 09:10	Lower respiratory system infections	Sesin KOCAGÖZ
09:20 - 10:00	Lower respiratory system infections	Sesin KOCAGÖZ
10:10 - 10:50	CMPS/EBM: Error sources in epidemiological studies-2(RATs)	DEMİR, TOPSEVER
11:00 - 11:40	CMPS/EBM: Error sources in epidemiological studies-2(practice)	DEMİR, TOPSEVER
11:50 - 12:30	CMPS/EBM: Error sources in epidemiological studies-2(practice)	DEMİR, TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

12.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Panel: Asthma	SAĞCAN, BİNGÖL, TOPSEVER
10:10 - 10:50	Panel: Asthma	SAĞCAN, BİNGÖL, TOPSEVER
11:00 - 11:40	Panel: Asthma	SAĞCAN, BİNGÖL, TOPSEVER
11:50 - 12:30	Drugs for asthma	Rezzan GÜLHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Chronic Obstructive Pulmonary Disease	Gülseren SAĞCAN
14:20 - 15:00	Chronic Obstructive Pulmonary Disease	Gülseren SAĞCAN
15:10 - 15:50	Neoplastic diseases of the lung	Handan ZEREN
16:00 - 16:40	Neoplastic diseases of the lung	Handan ZEREN
16:50 - 17:30	Study Time	

13.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Management of COPD in PHC	Pınar TOPSEVER
10:10 - 10:50	Management of COPD in PHC	Pınar TOPSEVER
11:00 - 11:40	Pathology of common chronic obstructive lung diseases	Handan ZEREN
11:50 - 12:30	Pathology of common chronic obstructive lung diseases	Handan ZEREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Regulation of respiration	Hande YAPIŞLAR
14:20 - 15:00	Regulation of respiration	Hande YAPIŞLAR
15:10 - 15:50	Expectorants, Antitussive agents and decongestants	Emel BALOĞLU
16:00 - 16:40	CMPS/EBM:Randomized clinical- study time for TBL	
16:50 - 17:30	CMPS/EBM:Randomized clinical- study time for TBL	

16.10.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Sleep Apnea Syndrome	Ceyda Erel KİRİŞOĞLU
10:10 - 10:50	Pleural Effusion	Sertaç ARSLAN
11:00 - 11:40	Radiological anatomy and algorithm of the thorax	Aylin ALTAN KUŞ
11:50 - 12:30	Radiological anatomy and algorithm of the thorax	Aylin ALTAN KUŞ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	TBL study time	
14:20 - 15:00	TBL study time	
15:10 - 15:50	TBL study time	
16:00 - 16:40	Medical English: Respiratory System Journal Club	Sesin KOCAGÖZ
16:50 - 17:30	Medical English: Respiratory System Journal Club	Sesin KOCAGÖZ

17.10.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM: Critical appraisal of a randomized clinical trial (RATs)	DEMİR, TOPSEVER
11:00 - 11:40	CMPS/EBM: Critical appraisal of a randomized clinical trial (practice)	DEMİR, TOPSEVER
11:50 - 12:30	CMPS/EBM: Critical appraisal of a randomized clinical trial (practice)	DEMİR, TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	TBL Study Time	
14:20 - 15:00	TBL Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

18.10.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL: Tobacco Control, smoking cessation and air pollution	AYKAÇ, ÇUHADAROĞLU
10:10 - 10:50	TBL: Tobacco Control, smoking cessation and air pollution	AYKAÇ, ÇUHADAROĞLU
11:00 - 11:40	TBL: Tobacco Control, smoking cessation and air pollution	AYKAÇ, ÇUHADAROĞLU
11:50 - 12:30	Interstitial lung disease	Çağlar ÇUHADAROĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Pulmonary Embolism	Ceyda Erel KİRİŞOĞLU
16:50 - 17:30	Study Time	

19.10.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Occupational health and safety education program	
10:10 - 10:50	Occupational health and safety education program	
11:00 - 11:40	Occupational health and safety education program	
11:50 - 12:30	Occupational health and safety education program	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Pulmonary Embolism	Ceyda Erel KİRİŞOĞLU
14:20 - 15:00	LAB: Breath Sounds Group A	Ceyda Erel KİRİŞOĞLU
15:10 - 15:50	LAB: Breath Sounds Group B	Ceyda Erel KİRİŞOĞLU
16:00 - 16:40	Study Time	
16:50 - 17:30	CMPS/EBM: Critical appraisal of a cohort study- study time for TBL	

20.10.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	PANEL:Occupational and environmental lung diseases	ASLAN, ZEREN, YASİN
10:10 - 10:50	PANEL:Occupational and environmental lung diseases	ASLAN, ZEREN, YASİN
11:00 - 11:40	PANEL:Occupational and environmental lung diseases	ASLAN, ZEREN, YASİN
11:50 - 12:30	Study time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 23.10.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Formative Assessment I	ALTINTAŞ,KOLGAZİ
11:50 - 12:30	Formative Assessment I	ALTINTAŞ,KOLGAZİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 24.10.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 25.10.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM: Critical appraisal of a cohort study (RATs)	DEMİR, TOPSEVER
11:00 - 11:40	CMPS/EBM: Critical appraisal of a cohort study (practice)	DEMİR, TOPSEVER
11:50 - 12:30	CMPS/EBM: Critical appraisal of a cohort study(practice)	DEMİR, TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	CMPS/EBM: Critical appraisal of a case-control study- study time for TBL	
16:50 - 17:30	Study Time	

## 26.10.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 27.10.2023 FRIDAY

08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50	MED 313 THEORETICAL EXAMINATION	
11:00 - 11:40	MED 313 THEORETICAL EXAMINATION	
11:50 - 12:30		
12:30 - 13:30		
13:30 - 14:10		
14:20 - 15:00		
15:10 - 15:50		
16:00 - 16:40		
16:50 - 17:30		

## 30.10.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Introduction to MED 311 Cardiovascular System	Devrim ÖZ ARSLAN -Şahin ŞENAY
11:50 - 12:30	Epidemiology of cardiovascular diseases	Yeşim YASİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	The heart as a pump; cardiac action potential	Meltem KOLGAZİ
14:20 - 15:00	The heart as a pump; cardiac action potential	Meltem KOLGAZİ
15:10 - 15:50	Heart and pericardium	Elif KESKİNÖZ
16:00 - 16:40	Heart and pericardium	Elif KESKİNÖZ
16:50 - 17:30	Study Time	

## 31.10.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Cardiac cycle	Meltem KOLGAZİ
10:10 - 10:50	Cardiac cycle	Meltem KOLGAZİ
11:00 - 11:40	Heart and pericardium	Elif KESKİNÖZ
11:50 - 12:30	Lymphatic circulation	Mustafa AKTEKİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Large vessels	Elif KESKİNÖZ
14:20 - 15:00	Histology of heart and blood vessels	Deniz YÜCEL
15:10 - 15:50	Histology of heart and blood vessels	Deniz YÜCEL
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 01.11.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM: Critical appraisal of a case-control study (RATs)	DEMİR, TOPSEVER
11:00 - 11:40	CMPS/EBM: Critical appraisal of a case-control study (practice)	DEMİR, TOPSEVER
11:50 - 12:30	CMPS/EBM: Critical appraisal of a case-control study (practice)	DEMİR, TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 02.11.2023 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Lab: Heart and pericardium_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	Lab: Heart and pericardium_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	Lab: Heart and pericardium_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	Lab: Heart and pericardium_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Development of Cardiovascular System	Serap ARBAK
14:20 - 15:00	Development of Cardiovascular System	Serap ARBAK
15:10 - 15:50	Rhythmical excitation of the heart	Meltem KOLGAZİ
16:00 - 16:40	Rhythmical excitation of the heart	Meltem KOLGAZİ
16:50 - 17:30	Study Time	

## 03.11.2023 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Physiological principles of heart sounds	Meltem KOLGAZİ
10:10 - 10:50	Regulation of cardiac functions	Meltem KOLGAZİ
11:00 - 11:40	Basic concepts of fluid flow: Pressure, Pascal's law, Poiseuille's law	Beki KAN
11:50 - 12:30	Viscosity, laminar and turbulent flow	Beki KAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Cardiac Drugs altering autonomic nervous system and NO system	Rezzan GÜLHAN
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

06.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Physical principles of ECG	Evren KILINÇ
10:10 - 10:50	Physical principles of ECG	Evren KILINÇ
11:00 - 11:40	Physiological principles of ECG	Meltem KOLGAZİ
11:50 - 12:30	Physiological principles of ECG	Meltem KOLGAZİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Clinical Assessment of normal ECG	Burak PAMUKÇU
14:20 - 15:00	Equation of continuity, Kinetic energy associated with blood: Bernoulli's law	Beki KAN
15:10 - 15:50	Pressure drop, resistance of vascular beds	Beki KAN
16:00 - 16:40	Meeting With Mentor	
16:50 - 17:30	CMPS/EBM:Critical appraisal of a methodological study-study time for TBL	

07.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Cardiovascular History and symptoms	Selçuk GÖRMEZ
10:10 - 10:50	Physical Examination in Cardiology	Selçuk GÖRMEZ
11:00 - 11:40	Study Time	
11:50 - 12:30	Introduction to Hematopoetic System Drugs	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Biophysics of blood vessel systems, Laplace's law	Beki KAN
14:20 - 15:00	Biophysics of blood vessel systems, Laplace's law	Beki KAN
15:10 - 15:50	ECG: bradycardia and heart blocks	Ender Özgün ÇAKMAK
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

08.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM: Critical appraisal of a methodological study (RATs)	Figen DEMİR
11:00 - 11:40	CMPS/EBM: Critical appraisal of a methodological study (practice)	Figen DEMİR
11:50 - 12:30	CMPS/EBM: Critical appraisal of a methodological study (practice)	Figen DEMİR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Case discussion of normal ECG	Burak PAMUKÇU
16:50 - 17:30	Case discussion of normal ECG	Burak PAMUKÇU

09.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Lab: Large vessels_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	Lab: Large vessels_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	Lab: Histology of heart and blood vessels_Group A	ARBAK, YÜCEL, A.ELMAS
11:50 - 12:30	Lab: Histology of heart and blood vessels_Group B	ARBAK, YÜCEL, A.ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Drug treatment of cardiac arrhythmia	Emel BALOĞLU
14:20 - 15:00	ECG: atrial & ventricular basic pathologies, ectopic beats, tachycardias	Ahmet AKYOL
15:10 - 15:50	ECG: atrial & ventricular basic pathologies, ectopic beats, tachycardias	Ahmet AKYOL
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

10.11.2023 FRIDAY		
08:30 - 09:10	Atatürk Memorial Day	
09:20 - 10:00	Atatürk Memorial Day	
10:10 - 10:50	Atatürk Memorial Day	
11:00 - 11:40	Atatürk Memorial Day	
11:50 - 12:30	Atatürk Memorial Day	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	The role of gravity in circulation	Beki KAN
15:10 - 15:50	Regulation of blood flow	Meltem KOLGAZİ
16:00 - 16:40	Regulation of blood flow	Meltem KOLGAZİ
16:50 - 17:30	Study Time	

13.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Lipoprotein Metabolism and hyperlipidemias	Mustafa SERTESER
10:10 - 10:50	Lipoprotein Metabolism and hyperlipidemias	Mustafa SERTESER
11:00 - 11:40	Basic Arrhythmia Mechanism	Ahmet AKYOL
11:50 - 12:30	Basic Arrhythmia Mechanism	Ahmet AKYOL
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Regulation of blood pressure	Meltem KOLGAZİ
14:20 - 15:00	Regulation of blood pressure	Meltem KOLGAZİ
15:10 - 15:50	Systemic hypertension: mechanisms and diagnosis	Funda HELVACIOĞLU
16:00 - 16:40	Drug treatment of atherosclerosis- hypercholesterol and dyslipidemia	Emel BALOĞLU
16:50 - 17:30	Drug treatment of atherosclerosis- hypercholesterol and dyslipidemia	Emel BALOĞLU

14.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Vascular events and atherosclerosis	Mustafa SERTESER
11:00 - 11:40	Vascular events and atherosclerosis	Mustafa SERTESER
11:50 - 12:30	Drugs affecting vasopressin and renin-angiotensin system	Rezzan GÜLHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Formative Assessment I	ALTINTAŞ , ÖZ ARSLAN
14:20 - 15:00	Formative Assessment I	ALTINTAŞ , ÖZ ARSLAN
15:10 - 15:50	Study Time	
16:00 - 16:40	Drug treatment of hypertension	Filiz ONAT
16:50 - 17:30	Drug treatment of hypertension	Filiz ONAT

15.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/EBM: Critical appraisal of a meta-analysis	Pınar TOPSEVER
11:50 - 12:30	CMPS/EBM: Critical appraisal of a meta-analysis	Pınar TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Drug treatment of hypertension	Filiz ONAT
16:50 - 17:30	Drug treatment of hypertension	Filiz ONAT

16.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Cyanosis	Canan AYABAKAN
11:00 - 11:40	Congenital Heart Diseases	Canan AYABAKAN
11:50 - 12:30	Congenital Heart Diseases	Canan AYABAKAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Laboratory approach to hemostasis, thrombosis and fibrinolysis	Meltem KİLERCİK
14:20 - 15:00	Laboratory approach to hemostasis, thrombosis and fibrinolysis	Meltem KİLERCİK
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

17.11.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

20.11.2023 MONDAY		
08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50		
11:00 - 11:40		
11:50 - 12:30		
12:30 - 13:30		
13:30 - 14:10		
14:20 - 15:00	MED 311 THEORETICAL EXAMINATION I	
15:10 - 15:50	MED 311 THEORETICAL EXAMINATION I	
16:00 - 16:40		
16:50 - 17:30		

21.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Microcirculation and oedema	Meltem KOLGAZİ
14:20 - 15:00	Microcirculation and oedema	Meltem KOLGAZİ
15:10 - 15:50	Coronary circulation and its regulation	Meltem KOLGAZİ
16:00 - 16:40	Atherosclerosis and hypertensive vascular diseases	Cüyan DEMİRKESEN
16:50 - 17:30	Atherosclerosis and hypertensive vascular diseases	Cüyan DEMİRKESEN

22.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Mitral and Aortic valvular heart diseases	Nalan KARADAĞ
10:10 - 10:50	Mitral and Aortic valvular heart diseases	Nalan KARADAĞ
11:00 - 11:40	Drug treatment of myocardial ischemia	Emel BALOĞLU
11:50 - 12:30	Drug treatment of myocardial ischemia	Emel BALOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	ECG: ischemia, injury, necrosis	Sinan DAĞDELEN
16:50 - 17:30	ECG: ischemia, injury, necrosis	Sinan DAĞDELEN

23.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Left heart failure: physiopathology and diagnosis	Elif EROĞLU
11:00 - 11:40	Left heart failure: physiopathology and diagnosis	Elif EROĞLU
11:50 - 12:30	Acute heart failure and cardiogenic shock	Elif EROĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Myocardial ischemia and angina pectoris	Ender Özgün ÇAKMAK
14:20 - 15:00	Myocardial infarction: mechanisms and diagnosis	Mustafa Ertuğrul MERCAN
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

24.11.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Tricuspid and Pulmonary valvular heart diseases	Funda HELVACIOĞLU
10:10 - 10:50	Right heart failure: physiopathology and diagnosis	Funda HELVACIOĞLU
11:00 - 11:40	Anticoagulant, thrombolytic agents and antiplatelet drugs	Filiz ONAT
11:50 - 12:30	Anticoagulant, thrombolytic agents and antiplatelet drugs	Filiz ONAT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Medical English:CVS Journal Club	Pınar TOPSEVER
15:10 - 15:50	Medical English:CVS Journal Club	Pınar TOPSEVER
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	



27.11.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of valvular heart diseases	Cüyan DEMİRKESEN
10:10 - 10:50	Pathology of valvular heart diseases	Cüyan DEMİRKESEN
11:00 - 11:40	Laboratory approach to heart failure and cardiac injury	Mustafa SERTESER
11:50 - 12:30	Laboratory approach to heart failure and cardiac injury	Mustafa SERTESER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Cardiomyopathies	Gültekin KARAKUŞ
14:20 - 15:00	Cardiomyopathies	Gültekin KARAKUŞ
15:10 - 15:50	Ischemic heart disease	İlker AKPOLAT
16:00 - 16:40	Ischemic heart disease	İlker AKPOLAT
16:50 - 17:30	Study Time	

28.11.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	CMPS/EBM_ACS: Introduction to Advanced Communication Skills	Pınar TOPSEVER
11:00 - 11:40	CMPS/EBM_ACS: Difficult patient encounters	Şirin PARKAN
11:50 - 12:30	CMPS/EBM_ACS: Breaking bad news	Yasemin ALANAY
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Genetics of cardiovascular diseases	Kaya BİLGÜVAR
14:20 - 15:00	Genetics of cardiovascular diseases	Kaya BİLGÜVAR
15:10 - 15:50	LAB: Heart sounds and cardiac murmurs	Funda HELVACIOĞLU
16:00 - 16:40	LAB: ECG recording and evaluation tutorial	Ender Özgün ÇAKMAK
16:50 - 17:30	Study Time	

29.11.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Cardiac Infections	Sesin KOCAGÖZ
11:50 - 12:30	Cardiac Infections	Sesin KOCAGÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

30.11.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Vasculitis	Cüyan DEMİRKESEN
11:50 - 12:30	Coronary heart disease: Primary prevention	Mustafa Ertuğrul MERCAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Blood stream invasion and sepsis	Hülya KUŞOĞLU
14:20 - 15:00	Blood stream invasion and sepsis	Hülya KUŞOĞLU
15:10 - 15:50	Prevention and control of cardiovascular diseases	Yeşim YASİN
16:00 - 16:40	Study time for Malaria Panel	
16:50 - 17:30	Study time for Malaria Panel	

01.12.2023 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Lymphoreticular system infections	Serap GENCER
10:10 - 10:50	Lymphoreticular system infections	Serap GENCER
11:00 - 11:40	Infections of blood and tissue parasites	Özgür KURT
11:50 - 12:30	Infections of blood and tissue parasites	Özgür KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Malaria Panel	KURT, DEMİR, KOCAGÖZ
15:10 - 15:50	Malaria Panel	KURT, DEMİR, KOCAGÖZ
16:00 - 16:40	Antimalarial Drugs	Emel BALOĞLU
16:50 - 17:30	Study Time	

## 04.12.2023 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Infections of blood and tissue parasites	Özgür KURT
11:00 - 11:40	Infections of blood and tissue parasites	Özgür KURT
11:50 - 12:30	Infections of blood and tissue parasites	Özgür KURT
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Identification of Blood Borne Parasites	KURT, OKTEM- OKULLU
14:20 - 15:00	LAB: Identification of Blood Borne Parasites	KURT, OKTEM- OKULLU
15:10 - 15:50	Radiological anatomy and algorythm of the cardiovascular system	Deniz Can ALIŞ
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 05.12.2023 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Approach to cardiovascular diseases in primary care	Pınar TOPSEVER
10:10 - 10:50	PC approach to the patient with chest pain	Pınar TOPSEVER
11:00 - 11:40	CMPS/EBM_ACS:Initiating behavior change, motivational interviewing	Pınar TOPSEVER
11:50 - 12:30	CMPS/EBM_ACS:Initiating behavior change, motivational interviewing	Pınar TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Formative Assessment II	ALTINTAŞ, ÖZ ARSLAN
14:20 - 15:00	Formative Assessment II	ALTINTAŞ, ÖZ ARSLAN
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 06.12.2023 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Meeting With Mentor	
10:10 - 10:50	Drug treatment of heart failure	Emel BALOĞLU
11:00 - 11:40	Drug treatment of heart failure	Emel BALOĞLU
11:50 - 12:30	Biosimilar Drugs	Rezzan GÜLHAN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 07.12.2023 THURSDAY

08:30 - 09:10	CMPS/EBM_ACS: Simulated patient encounters	CASE
09:20 - 10:00	CMPS/EBM_ACS: Simulated patient encounters	CASE
10:10 - 10:50	CMPS/EBM_ACS: Simulated patient encounters	CASE
11:00 - 11:40	CMPS/EBM_ACS: Simulated patient encounters	CASE
11:50 - 12:30	CMPS/EBM_ACS: Simulated patient encounters	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/EBM_ACS: Simulated patient encounters	CASE
14:20 - 15:00	CMPS/EBM_ACS: Simulated patient encounters	CASE
15:10 - 15:50	CMPS/EBM_ACS: Simulated patient encounters	CASE
16:00 - 16:40	CMPS/EBM_ACS: Simulated patient encounters	CASE
16:50 - 17:30	CMPS/EBM_ACS: Simulated patient encounters	CASE

## 08.12.2023 FRIDAY

08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50	MED 311 THEORETICAL EXAMINATION II	
11:00 - 11:40	MED 311 THEORETICAL EXAMINATION II	
11:50 - 12:30		
12:30 - 13:30		
13:30 - 14:10		
14:20 - 15:00		
15:10 - 15:50		
16:00 - 16:40		
16:50 - 17:30		

11.12.2023 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 315 Gastrointestinal System	Hande YAPIŞLAR - Nurdan TÖZÜN
11:00 - 11:40	Abdominal wall	Mustafa AKTEKİN
11:50 - 12:30	Peritoneum and inguinal region	Alp BAYRAMOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Peritoneum and inguinal region	Alp BAYRAMOĞLU
14:20 - 15:00	Peritoneum and inguinal region	Alp BAYRAMOĞLU
15:10 - 15:50	General principles of gastrointestinal function; digestion in the mouth	Meltem KOLGAZİ
16:00 - 16:40	General principles of gastrointestinal function; digestion in the mouth	Meltem KOLGAZİ
16:50 - 17:30	Study Time	

12.12.2023 TUESDAY		
08:30 - 09:10	CMPS/EBM_ACS: Simulated patient encounters	CASE
09:20 - 10:00	CMPS/EBM_ACS: Simulated patient encounters	CASE
10:10 - 10:50	CMPS/EBM_ACS: Simulated patient encounters	CASE
11:00 - 11:40	CMPS/EBM_ACS: Simulated patient encounters	CASE
11:50 - 12:30	CMPS/EBM_ACS: Simulated patient encounters	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/EBM_ACS: Simulated patient encounters	CASE
14:20 - 15:00	CMPS/EBM_ACS: Simulated patient encounters	CASE
15:10 - 15:50	CMPS/EBM_ACS: Simulated patient encounters	CASE
16:00 - 16:40	CMPS/EBM_ACS: Simulated patient encounters	CASE
16:50 - 17:30	CMPS/EBM_ACS: Simulated patient encounters	CASE

13.12.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	TBL: Introduction to GIS Anatomy	Elif Nedret KESKİNÖZ
10:10 - 10:50	LAB: Abdominal wall & peritoneum_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Abdominal wall & peritoneum_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time TBL 1	

14.12.2023 THURSDAY		
08:30 - 09:10	CMPS/EBM_ACS: Simulated patient encounters	CASE
09:20 - 10:00	CMPS/EBM_ACS: Simulated patient encounters	CASE
10:10 - 10:50	CMPS/EBM_ACS: Simulated patient encounters	CASE
11:00 - 11:40	CMPS/EBM_ACS: Simulated patient encounters	CASE
11:50 - 12:30	CMPS/EBM_ACS: Simulated patient encounters	CASE
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/EBM_ACS: Simulated patient encounters	CASE
14:20 - 15:00	CMPS/EBM_ACS: Simulated patient encounters	CASE
15:10 - 15:50	CMPS/EBM_ACS: Simulated patient encounters	CASE
16:00 - 16:40	CMPS/EBM_ACS: Simulated patient encounters	CASE
16:50 - 17:30	CMPS/EBM_ACS: Simulated patient encounters	CASE

15.12.2023 FRIDAY		
08:30 - 09:10	Medical English:GIS Journal Club	Nurdan TÖZÜN
09:20 - 10:00	Medical English:GIS Journal Club	Nurdan TÖZÜN
10:10 - 10:50	Dig. and abs. of nitrogenous compounds, carbohydrates and fat	Ahmet Tarık BAYKAL
11:00 - 11:40	Dig. and abs. of nitrogenous compounds, carbohydrates and fat	Ahmet Tarık BAYKAL
11:50 - 12:30	Group Study Time TBL 1	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time TBL 1	
14:20 - 15:00	Pathology of oral cavity and salivary gland	Sibel ERDAMAR ÇETİN
15:10 - 15:50	Pathology of esophagus	Sibel ERDAMAR ÇETİN
16:00 - 16:40	Pathology of esophagus	Sibel ERDAMAR ÇETİN
16:50 - 17:30	Study Time TBL 1	

18.12.2023 MONDAY		
08:30 - 09:10	Study Time TBL 2	
09:20 - 10:00	TBL 1:Readiness ass. test 'oral cavity, pharynx, esoph.' & cover lecture	Mustafa AKTEKİN
10:10 - 10:50	TBL 1 LAB: Oral cavity, pharynx, oesophagus_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	TBL 1 LAB: Oral cavity, pharynx, oesophagus_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	Histology of the upper digestive system	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Histology of the lower digestive system	Serap ARBAK
14:20 - 15:00	Histology of the lower digestive system	Serap ARBAK
15:10 - 15:50	Study Time TBL 2	
16:00 - 16:40	Study Time TBL 2	
16:50 - 17:30		

19.12.2023 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Histology of the Upper Digestive System_Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
10:10 - 10:50	LAB: Histology of the Upper Digestive System_Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
11:00 - 11:40	LAB: Histology of the Upper Digestive System_Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
11:50 - 12:30	LAB: Histology of the Upper Digestive System_Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/EBM_ACS: Tutor feed-back	TOPSEVER, DEMİR, DİNÇ, KİTAPÇIOĞLU, PAKIŞ, PARKAN, ŞAHİNER, ATLINTAŞ
14:20 - 15:00	CMPS/EBM_ACS: Tutor feed-back	TOPSEVER, DEMİR, DİNÇ, KİTAPÇIOĞLU, PAKIŞ, PARKAN, ŞAHİNER, ATLINTAŞ
15:10 - 15:50	CMPS/EBM_ACS: Tutor feed-back	TOPSEVER, DEMİR, DİNÇ, KİTAPÇIOĞLU, PAKIŞ, PARKAN, ŞAHİNER, ATLINTAŞ
16:00 - 16:40	CMPS/EBM_ACS: Tutor feed-back	TOPSEVER, DEMİR, DİNÇ, KİTAPÇIOĞLU, PAKIŞ, PARKAN, ŞAHİNER, ATLINTAŞ
16:50 - 17:30	CMPS/EBM_ACS: Tutor feed-back	TOPSEVER, DEMİR, DİNÇ, KİTAPÇIOĞLU, PAKIŞ, PARKAN, ŞAHİNER, ATLINTAŞ

20.12.2023 WEDNESDAY		
08:30 - 09:10	PBL Session 1 " Why has my skin turned yellow?"	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
09:20 - 10:00	PBL Session 1 " Why has my skin turned yellow?"	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
10:10 - 10:50	TBL 2: Readiness ass. test 'stomach, small int.' & cover lecture	Alp BAYRAMOĞLU
11:00 - 11:40	TBL 2 LAB: stomach, small intestine_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 2 LAB: stomach, small intestine_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time for PBL	
16:50 - 17:30	Study Time for PBL	

21.12.2023 THURSDAY		
08:30 - 09:10	Study Time for PBL	
09:20 - 10:00	Digestion in the stomach	Meltem KOLGAZİ
10:10 - 10:50	Digestion in the stomach	Meltem KOLGAZİ
11:00 - 11:40	Histology of the pancreas and the glands of the digestive system	Merve Açıkel Elmas
11:50 - 12:30	Histology of liver	Serap ARBAK
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Hist of the lower Dig. sys_Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
14:20 - 15:00	LAB: Hist of the lower Dig. sys_Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
15:10 - 15:50	LAB: Hist of the lower Dig. sys_Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
16:00 - 16:40	LAB: Hist of the lower Dig. sys_Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
16:50 - 17:30		

22.12.2023 FRIDAY		
08:30 - 09:10	Study Time TBL 3	
09:20 - 10:00	Study Time TBL 3	
10:10 - 10:50	TBL 3: Readiness ass. test 'large int., anal canal' & cover lecture	Elif KESKİNÖZ
11:00 - 11:40	TBL 3 LAB: Large intestine, anal canal_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 3 LAB: Large intestine, anal canal_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Group Study Time TBL 3	
14:20 - 15:00	Digestion and absorption in the small intestine	Meltem KOLGAZİ
15:10 - 15:50	Digestion and absorption in the small intestine	Meltem KOLGAZİ
16:00 - 16:40	Biochemical aspects of amino acids and protein metabolism disorders	Abdurrahman COŞKUN
16:50 - 17:30	Biochemical aspects of amino acids and protein metabolism disorders	Abdurrahman COŞKUN

25.12.2023 MONDAY	
08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

26.12.2023 TUESDAY	
08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

27.12.2023 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Histology of the Glands _ Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
10:10 - 10:50	LAB: Histology of the Glands _ Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
11:00 - 11:40	LAB: Histology of the Glands _ Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
11:50 - 12:30	LAB: Histology of the Glands _ Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	PBL Session 2 " Why has my skin turned yellow?"	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
16:50 - 17:30	PBL Session 2 " Why has my skin turned yellow?"	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT

28.12.2023 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Molecular basis of colon cancer	Cemaliye AKYERLİ BOYLU
10:10 - 10:50	TBL 4:Readiness ass. test 'liver, hepatobiliary& portal sys.& cover lecture	Mustafa AKTEKİN
11:00 - 11:40	TBL 4 LAB: Liver, hepatobiliary & portal systems_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	TBL 4 LAB: Liver, hepatobiliary & portal systems_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Motor and secretory functions; absorbtion in the large intestine; def.	Meltem KOLGAZİ
14:20 - 15:00	Motor and secretory functions; absorbtion in the large intestine; def.	Meltem KOLGAZİ
15:10 - 15:50	Study Time for PBL	
16:00 - 16:40	Pathology of gastritis and peptic ulcer	Sibel ERDAMAR ÇETİN
16:50 - 17:30	Pathology of gastritis and peptic ulcer	Sibel ERDAMAR ÇETİN

29.12.2023 FRIDAY		
08:30 - 09:10	Biochemical aspects of carbohydrate metabolism disorders	Fehime AKSUNGAR
09:20 - 10:00	Biochemical aspects of carbohydrate metabolism disorders	Fehime AKSUNGAR
10:10 - 10:50	Gastric, intestinal and pancreatic function tests	Mustafa SERTESER
11:00 - 11:40	Secretions of exocrine pancreas and gall bladder	Meltem KOLGAZİ
11:50 - 12:30	Regulation of feeding	Meltem KOLGAZİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Gastroesophageal reflux disease	Arzu TİFTİKÇİ
15:10 - 15:50	Tumors of the upper and lower digestive tract	Eser KUTSAL
16:00 - 16:40	Biochemical assessment of liver function	Suna YAPALI
16:50 - 17:30	Peptic ulcer disease	Fatih Oğuz ÖNDER

## 01.01.2024 MONDAY

08:30 - 09:10	New Year's Day
09:20 - 10:00	New Year's Day
10:10 - 10:50	New Year's Day
11:00 - 11:40	New Year's Day
11:50 - 12:30	New Year's Day
12:30 - 13:30	New Year's Day
13:30 - 14:10	New Year's Day
14:20 - 15:00	New Year's Day
15:10 - 15:50	New Year's Day
16:00 - 16:40	New Year's Day
16:50 - 17:30	New Year's Day

## 02.01.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Neoplastic diseases of the stomach	Sibel ERDAMAR ÇETİN
10:10 - 10:50	Neoplastic diseases of the stomach	Sibel ERDAMAR ÇETİN
11:00 - 11:40	Tumors of small and large intestine	Sibel ERDAMAR ÇETİN
11:50 - 12:30	Tumors of small and large intestine	Sibel ERDAMAR ÇETİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Formative Assessment I	ALTINTAŞ, YAPIŞLAR
14:20 - 15:00	Formative Assessment I	ALTINTAŞ, YAPIŞLAR
15:10 - 15:50	PBL Session 3 " Why has my skin turned yellow?	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
16:00 - 16:40	PBL Session 3 " Why has my skin turned yellow?	DİNÇ, KİTAPÇIOĞLU, YÜCEL, BALOĞLU, KESKİNÖZ, YAPIŞLAR, KURT
16:50 - 17:30	Regulation of feeding	Meltem KOLGAZİ

## 03.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Drugs for the therapy of acid peptic diseases	Emel BALOĞLU
11:00 - 11:40	Drugs for the therapy of acid peptic diseases	Emel BALOĞLU
11:50 - 12:30	Drugs for the therapy of acid peptic diseases	Emel BALOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Development of digestive system	Serap ARBAK
16:50 - 17:30	Development of digestive system	Serap ARBAK

## 04.01.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 05.01.2024 FRIDAY

08:30 - 09:10	
09:20 - 10:00	
10:10 - 10:50	
11:00 - 11:40	MED 315 THEORETICAL EXAMINATION I
11:50 - 12:30	MED 315 THEORETICAL EXAMINATION I
12:30 - 13:30	
13:30 - 14:10	
14:20 - 15:00	MED 315 PRACTICAL EXAMINATION
15:10 - 15:50	MED 315 PRACTICAL EXAMINATION
16:00 - 16:40	
16:50 - 17:30	

## 08.01.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Morphologic patterns of hepatic injury and cirrhosis	Hale KIRIMLIOĞLU
10:10 - 10:50	Morphologic patterns of hepatic injury and cirrhosis	Hale KIRIMLIOĞLU
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Detoxification mechanism	Abdurrahman COŞKUN
14:20 - 15:00	Liver functions	Aysel ÖZPINAR
15:10 - 15:50	Liver functions	Aysel ÖZPINAR
16:00 - 16:40	Portal hypertension and clinical presentation of liver cirrhosis	Nurdan TÖZÜN
16:50 - 17:30	Portal hypertension and clinical presentation of liver cirrhosis	Nurdan TÖZÜN

## 09.01.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Viral Gastroenteritis	Hülya KUŞOĞLU
10:10 - 10:50	Bacterial gastroenteritis and food poisoning	Hülya KUŞOĞLU
11:00 - 11:40	Bacterial gastroenteritis and food poisoning	Hülya KUŞOĞLU
11:50 - 12:30	Abdominal discomfort and emergencies of the GI tract in primary care	Demet DİNÇ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Genetic basis of common gastrointestinal disorders	Kaya BİLGUVAR
14:20 - 15:00	Genetic basis of common gastrointestinal disorders	Kaya BİLGUVAR
15:10 - 15:50	Study Time	
16:00 - 16:40	Parasitic Gastroenteritis	Özgür KURT
16:50 - 17:30	Food safety	Yeşim YASİN

## 10.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Virology of Hepatitis	Sesin KOCAGÖZ
10:10 - 10:50	Inborn errors of metabolism	Hale KIRIMLIOĞLU
11:00 - 11:40	Inborn errors of metabolism	Hale KIRIMLIOĞLU
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 11.01.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Functional GI disorders	Özda ERSOY
10:10 - 10:50	Functional GI disorders	Özda ERSOY
11:00 - 11:40	Meeting With Mentor	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Malabsorption and coeliac disease	Arzu TİFTİKÇİ
14:20 - 15:00	Hepatomegaly in childhood	Mahir GÜLCAN
15:10 - 15:50	Viral hepatitis in childhood	Mahir GÜLCAN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 12.01.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of acute and chronic hepatitis	Hale KIRIMLIOĞLU
10:10 - 10:50	Pathology of acute and chronic hepatitis	Hale KIRIMLIOĞLU
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Acute abdominal disease in children	Burak TANDER
15:10 - 15:50	Gastrointestinal system embryopathogenesis	Burak TANDER
16:00 - 16:40	Gastrointestinal system embryopathogenesis	Burak TANDER
16:50 - 17:30	Study Time	

15.01.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Reference intervals and interpretation of laboratory tests	Abdurrahman COŞKUN
11:50 - 12:30	Reference intervals and interpretation of laboratory tests	Abdurrahman COŞKUN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Acute viral hepatitis	Suna YAPALI
14:20 - 15:00	Acute viral hepatitis	Suna YAPALI
15:10 - 15:50	Study Time	
16:00 - 16:40	Pathology of metabolic liver diseases	Hale KIRIMLIOĞLU
16:50 - 17:30	Pathology of metabolic liver diseases	Hale KIRIMLIOĞLU

16.01.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Hereditary and metabolic diseases of the liver in the adult	Fatih Oğuz ÖNDER
10:10 - 10:50	Gallstone disease	Can GÖNEN
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Infantile cholestasis	Mahir GÜLCAN
14:20 - 15:00	Abdominal pain in childhood	Mahir GÜLCAN
15:10 - 15:50	Health promotion & primary prevention: Nutrition, lifestyle and GI dis.	Şirin PARKAN
16:00 - 16:40	Chronic hepatitis	Nurdan TÖZÜN
16:50 - 17:30	Chronic hepatitis	Nurdan TÖZÜN

17.01.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of intrahepatic biliary tract diseases	Hale KIRIMLIOĞLU
10:10 - 10:50	Study Time	
11:00 - 11:40	Pathology of hepatic nodules and tumors	Hale KIRIMLIOĞLU
11:50 - 12:30	Pathology of hepatic nodules and tumors	Hale KIRIMLIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Antiemetics	Rezzan GÜLHAN
16:50 - 17:30	Study Time	

18.01.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Tumors of the liver	Özda ERSOY
10:10 - 10:50	Study Time	
11:00 - 11:40	Pathology of circulatory disorders of liver	Hale KIRIMLIOĞLU
11:50 - 12:30	Pathology of drug and toxin induced liver diseases	Hale KIRIMLIOĞLU
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Alcoholic and nonalcoholic liver diseases	Bülent DEĞERTEKİN
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

19.01.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Drugs used in inflammatory bowel disease + pancreatic disease	Rezzan GÜLHAN
10:10 - 10:50	Drugs used in inflammatory bowel disease + pancreatic disease	Rezzan GÜLHAN
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Drugs affecting secretory and motor functions of GI system	Emel BALOĞLU
15:10 - 15:50	Drugs for constipation and diarrhea	Emel BALOĞLU
16:00 - 16:40	Infectious enterocolitis	Sibel ERDAMAR ÇETİN
16:50 - 17:30	Malabsorption syndromes, vascular disorders and diverticular disease	Sibel ERDAMAR ÇETİN



## 22.01.2024 MONDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Inflammatory bowel disease	Can GÖNEN
11:50 - 12:30	Inflammatory bowel disease	Can GÖNEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Radiological anatomy and algorith of the abdomen	Aylin ALTAN KUŞ
14:20 - 15:00	Radiological anatomy and algorith of the abdomen	Aylin ALTAN KUŞ
15:10 - 15:50	Study Time	
16:00 - 16:40	Pathology of exocrine pancreas and gall bladder and appendix	Hale KIRIMLIOĞLU
16:50 - 17:30	Pathology of exocrine pancreas and gall bladder and appendix	Hale KIRIMLIOĞLU

## 23.01.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Pathology of Inflammatory bowel disease	Sibel ERDAMAR ÇETİN
11:50 - 12:30	Pathology of Inflammatory bowel disease	Sibel ERDAMAR ÇETİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Acute pancreatitis	Gürhan ŞİŞMAN
14:20 - 15:00	Acute pancreatitis	Gürhan ŞİŞMAN
15:10 - 15:50	Chronic pancreatitis	Gürhan ŞİŞMAN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 24.01.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Formative Assessment II	ALTINTAŞ, YAPIŞLAR
11:50 - 12:30	Formative Assessment II	ALTINTAŞ, YAPIŞLAR
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Elective in Medicine	
14:20 - 15:00	Elective in Medicine	
15:10 - 15:50	Elective in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

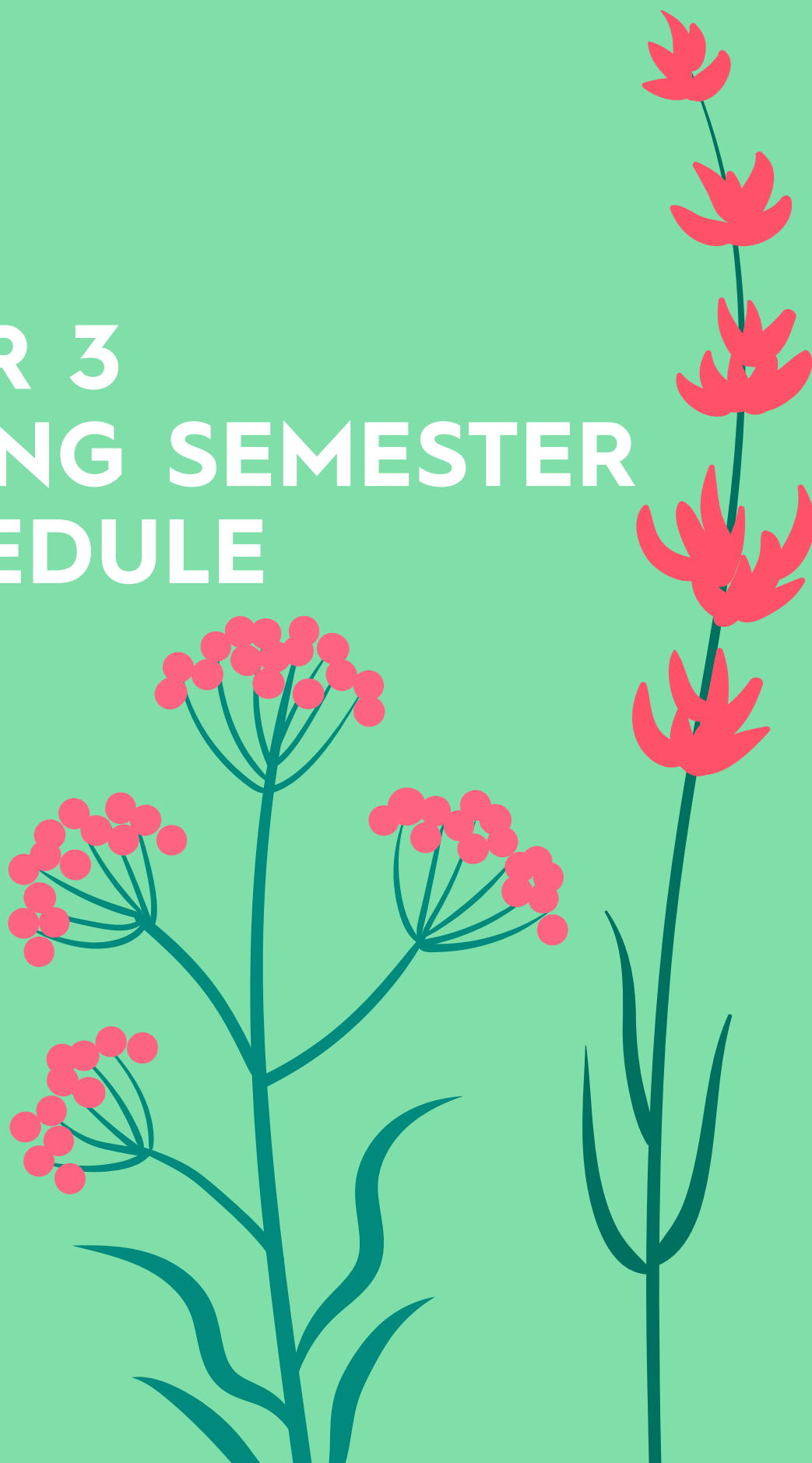
## 25.01.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 26.01.2024 FRIDAY

08:30 - 09:10		
09:20 - 10:00		
10:10 - 10:50		
11:00 - 11:40		
11:50 - 12:30		
12:30 - 13:30		
13:30 - 14:10		
14:20 - 15:00	MED 315 THEORETICAL EXAMINATION II	
15:10 - 15:50	MED 315 THEORETICAL EXAMINATION II	
16:00 - 16:40		
16:50 - 17:30		

# YEAR 3 SPRING SEMESTER SCHEDULE



12.02.2024 MONDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Introduction to MED 312 Urogenital System	Mehmet ERGEN - Cem SUNGUR
11:00 - 11:40	CMPS/H&S-II: Introduction to Health & Society-II- orientation field study	Yeşim YAŞIN
11:50 - 12:30	Introduction to TBL: Fluid-electrolytes & acid-base	SUNGUR, ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Kidney, ureter, urinary bladder, urethra	Elif KESKİNÖZ
14:20 - 15:00	Kidney, ureter, urinary bladder, urethra	Elif KESKİNÖZ
15:10 - 15:50	Histology of the organs forming the urinary system	Serap ARBAK
16:00 - 16:40	Histology of the organs forming the urinary system	Serap ARBAK
16:50 - 17:30	Study Time	

13.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Glomerular filtration	Ekin DÖNGEL
10:10 - 10:50	Glomerular filtration	Ekin DÖNGEL
11:00 - 11:40	LAB: Kidney, ureter, urinary bladder, urethra_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Kidney, ureter, urinary bladder, urethra_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Histology of the organs forming the urinary system_Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
14:20 - 15:00	LAB: Histology of the organs forming the urinary system_Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
15:10 - 15:50	Renal function tests and urinalysis	Abdurrahman COŞKUN
16:00 - 16:40	Renal function tests and urinalysis	Abdurrahman COŞKUN
16:50 - 17:30	Study Time	

14.02.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Tubular reabsorption and secretion	Ekin DÖNGEL
10:10 - 10:50	Tubular reabsorption and secretion	Ekin DÖNGEL
11:00 - 11:40	LAB: Histology of the organs forming the urinary system_Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
11:50 - 12:30	LAB: Histology of the organs forming the urinary system_Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

15.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Pelvis and Perineum	Mustafa AKTEKİN
10:10 - 10:50	Vessels of the pelvis	Mustafa AKTEKİN
11:00 - 11:40	Development of the urinary system	Merve AÇIKEL ELMAS
11:50 - 12:30	Development of the urinary system	Merve AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB: Pelvis, perineum and vessels of the pelvis_Group _A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
14:20 - 15:00	LAB: Pelvis, perineum and vessels of the pelvis_Group _B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

16.02.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Agents affecting renal conservation of water	Emel BALOĞLU
10:10 - 10:50	Micturition	Ekin DÖNGEL
11:00 - 11:40	CMPS/H&S-II: Basics of health economics	BERNA EREN
11:50 - 12:30	CMPS/H&S-II: Basics of health economics	BERNA EREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Pathology of glomerular diseases	Asiye Işın DOĞAN EKİCİ
15:10 - 15:50	Pathology of glomerular diseases	Asiye Işın DOĞAN EKİCİ
16:00 - 16:40	Pathology of glomerular diseases	Asiye Işın DOĞAN EKİCİ
16:50 - 17:30	Meeting With Mentor	

19.02.2024 MONDAY		
08:30 - 09:10	CMPS/H&S-II: Training in PC	
09:20 - 10:00	CMPS/H&S-II: Training in PC	
10:10 - 10:50	CMPS/H&S-II: Training in PC	
11:00 - 11:40	CMPS/H&S-II: Training in PC	
11:50 - 12:30	CMPS/H&S-II: Training in PC	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/H&S-II: Training in PC	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

20.02.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Urine Examination_Group A	Aysel ÖZPINAR, Fehime AKSUNGAR
10:10 - 10:50	LAB: Urine Examination_Group A	Aysel ÖZPINAR, Fehime AKSUNGAR
11:00 - 11:40	Pathology of tubular and interstitial diseases of kidney	Asiye Işın DOĞAN EKİCİ
11:50 - 12:30	Pathology of tubular and interstitial diseases of kidney	Asiye Işın DOĞAN EKİCİ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Pathology of vascular diseases of kidney	Asiye Işın DOĞAN EKİCİ
14:20 - 15:00	Etiology and diagnosis of acute kidney disease	Borçak Çağlar RUHİ
15:10 - 15:50	Pathology of urinary tract	Yeşim SAĞLİCAN
16:00 - 16:40	Pathology of renal tumors	Yeşim SAĞLİCAN
16:50 - 17:30	Study Time	

21.02.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Urine Examination_Group B	Aysel ÖZPINAR, Fehime AKSUNGAR
10:10 - 10:50	LAB: Urine Examination_Group B	Aysel ÖZPINAR, Fehime AKSUNGAR
11:00 - 11:40	TBL Study Time: Fluid-electrolytes, physiology and disorders	SUNGUR, ERGEN
11:50 - 12:30	TBL Study Time: Fluid-electrolytes, physiology and disorders	SUNGUR, ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	FC Study Time: Anatomy of female genital organs	
16:50 - 17:30	FC Study Time: Anatomy of female genital organs	

22.02.2024 THURSDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Renal involvement in diabetes and hypertension	Sevgi ŞAHİN
10:10 - 10:50	Clinical presentation of glomerular and tubulointerstitial diseases	Sevgi ŞAHİN
11:00 - 11:40	Urologic symptoms and physical examination	Hakan ÖZVERİ
11:50 - 12:30	Study Time	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Congenital anomalies of urinary tract	Yeşim SAĞLİCAN
15:10 - 15:50	Conditions associated with hematuria	Burcu Bulum AKBULUT
16:00 - 16:40	Conditions associated with proteinuria	Burcu Bulum AKBULUT
16:50 - 17:30	Study Time	

23.02.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Clinical aspects of chronic kidney disease	Borçak Çağlar RUHİ
10:10 - 10:50	Clinical aspects of chronic kidney disease	Borçak Çağlar RUHİ
11:00 - 11:40	CMPS/H&S-II: Health Care System in Turkey	Berna EREN
11:50 - 12:30	CMPS/H&S-II: Health Care System in Turkey	Berna EREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Urinary incontinence	Burak ÖZKAN
15:10 - 15:50	Urinary obstruction	İlter TÜFEK
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 26.02.2024 MONDAY

08:30 - 09:10	CMPS/H&S-II: Training in PC	
09:20 - 10:00	CMPS/H&S-II: Training in PC	
10:10 - 10:50	CMPS/H&S-II: Training in PC	
11:00 - 11:40	CMPS/H&S-II: Training in PC	
11:50 - 12:30	CMPS/H&S-II: Training in PC	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/H&S-II: Training in PC	
14:20 - 15:00	Study Time	
15:10 - 15:50	FC Study Time: Anatomy of male genital organs	
16:00 - 16:40	FC Study Time: Anatomy of male genital organs	
16:50 - 17:30	Study Time	

## 27.02.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Urinary tract infections	Hülya KUŞOĞLU
10:10 - 10:50	Urinary tract infections	Hülya KUŞOĞLU
11:00 - 11:40	TBL Study Time: Acid-base, physiology and disorders	SUNGUR, ERGEN
11:50 - 12:30	TBL Study Time: Acid-base, physiology and disorders	SUNGUR, ERGEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Agents for urinary tract infections	Filiz ONAT
14:20 - 15:00	Management of the patient with urinary incontinence in primary care	Şirin PARKAN
15:10 - 15:50	FC Group study time: Anatomy of female and male genital organs	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 28.02.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Hereditary basis of renal disorders	Cemaliye AKYERLİ BOYLU
11:00 - 11:40	FC Quiz & Discussion: Anatomy of female & male genital organs	Elif KESKİNÖZ
11:50 - 12:30	FC Quiz & Discussion: Anatomy of female & male genital organs	Elif KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 29.02.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Female and male genital organs_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
10:10 - 10:50	LAB: Female and male genital organs_Group B	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:00 - 11:40	LAB: Female and male genital organs_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
11:50 - 12:30	LAB: Female and male genital organs_Group A	AKTEKİN, BAYRAMOĞLU, KESKİNÖZ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Formative Assessment I	ALTINTAŞ, ERGEN
14:20 - 15:00	Formative Assessment I	ALTINTAŞ, ERGEN
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 01.03.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/H&S-II: Finance & economic appraisal of health	BERNA EREN
11:50 - 12:30	CMPS/H&S-II: Finance & economic appraisal of health	BERNA EREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	TBL Session: Fluid-electrolytes & acid-base	SUNGUR, ERGEN
15:10 - 15:50	TBL Session: Fluid-electrolytes & acid-base	SUNGUR, ERGEN
16:00 - 16:40	TBL Session: Fluid-electrolytes & acid-base	SUNGUR, ERGEN
16:50 - 17:30	TBL Session: Fluid-electrolytes & acid-base	SUNGUR, ERGEN

04.03.2024 MONDAY

08:30 - 09:10	CMPS/H&S-II: Training in PC
09:20 - 10:00	CMPS/H&S-II: Training in PC
10:10 - 10:50	CMPS/H&S-II: Training in PC
11:00 - 11:40	CMPS/H&S-II: Training in PC
11:50 - 12:30	CMPS/H&S-II: Training in PC
12:30 - 13:30	Lunch Time
13:30 - 14:10	CMPS/H&S-II: Training in PC
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

05.03.2024 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

06.03.2024 WEDNESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Electives in Medicine
14:20 - 15:00	Electives in Medicine
15:10 - 15:50	Electives in Medicine
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

07.03.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

08.03.2024 FRIDAY

08:30 - 09:10	
09:20 - 10:00	
10:10 - 10:50	
11:00 - 11:40	
11:50 - 12:30	
12:30 - 13:30	
13:30 - 14:10	
14:20 - 15:00	MED 312 THEORETICAL EXAMINATION I
15:10 - 15:50	MED 312 THEORETICAL EXAMINATION I
16:00 - 16:40	
16:50 - 17:30	

11.03.2024 MONDAY		
08:30 - 09:10	CMPS/H&S-II: Training in PC	
09:20 - 10:00	CMPS/H&S-II: Training in PC	
10:10 - 10:50	CMPS/H&S-II: Training in PC	
11:00 - 11:40	CMPS/H&S-II: Training in PC	
11:50 - 12:30	CMPS/H&S-II: Training in PC	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/H&S-II: Training in PC	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

12.03.2024 TUESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	Histology of the organs forming the female reproductive system	Merve AÇIKEL ELMAS
10:10 - 10:50	Histology of the organs forming the female reproductive system	Merve AÇIKEL ELMAS
11:00 - 11:40	Prenatal Diagnosis	Özden HATIRNAZ NG
11:50 - 12:30	Prenatal Diagnosis	Özden HATIRNAZ NG
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Female reproductive function	Ekin DÖNGEL
14:20 - 15:00	Female reproductive function	Ekin DÖNGEL
15:10 - 15:50	Meeting With Mentor	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

13.03.2024 WEDNESDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	LAB: Histology of the organs form. the fem. rep. sys._Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
10:10 - 10:50	LAB: Histology of the organs form. the fem. rep. sys._Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
11:00 - 11:40	LAB: Histology of the organs form. the fem. rep. sys._Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
11:50 - 12:30	LAB: Histology of the organs form. the fem. rep. sys._Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Biochemistry of reproductive hormones	Ahmet Tarık BAYKAL
16:50 - 17:30	Biochemistry of reproductive hormones	Ahmet Tarık BAYKAL

14.03.2024 THURSDAY		
08:30 - 09:10	Doctors day	
09:20 - 10:00	Doctors day	
10:10 - 10:50	Doctors day	
11:00 - 11:40	Doctors day	
11:50 - 12:30	Doctors day	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	PBL Session 1 - Family	DİNÇ, KESKİNÖZ, ARTVİNLİ, AKSUNGAR, ELMAS, TOPSEVER, YAŞIN
14:20 - 15:00	PBL Session 1- Family	DİNÇ, KESKİNÖZ, ARTVİNLİ, AKSUNGAR, ELMAS, TOPSEVER, YAŞIN
15:10 - 15:50	Fertilization, implantation and reproductive immunology	Selin ÖZALTIN
16:00 - 16:40	Normal and abnormal labor and delivery	Selin ÖZALTIN
16:50 - 17:30	Study Time for PBL	

15.03.2024 FRIDAY		
08:30 - 09:10	Study Time	
09:20 - 10:00	CMPS/H&S-II: Government's role in health care	BERNA EREN
10:10 - 10:50	CMPS/H&S-II: Government's role in health care	BERNA EREN
11:00 - 11:40	CMPS/H&S-II: Health Promotion	FİGEN DEMİR
11:50 - 12:30	CMPS/H&S-II: Health Promotion	PINAR TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Gestational trophoblastic diseases and placental disorder	Handan ZEREN
14:20 - 15:00	Cytology of female reproductive system	Handan ZEREN
15:10 - 15:50	Pregnancy physiology	Ekin DÖNGEL
16:00 - 16:40	Histology of the organs forming the male reproductive system	Merve AÇIKEL ELMAS
16:50 - 17:30	Histology of the organs forming the male reproductive system	Merve AÇIKEL ELMAS

## 18.03.2024 MONDAY

08:30 - 09:10	CMPS/H&S-II: Training in PC	
09:20 - 10:00	CMPS/H&S-II: Training in PC	
10:10 - 10:50	CMPS/H&S-II: Training in PC	
11:00 - 11:40	CMPS/H&S-II: Training in PC	
11:50 - 12:30	CMPS/H&S-II: Training in PC	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/H&S-II: Training in PC	
14:20 - 15:00	Study Time	
15:10 - 15:50	Study Time	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 19.03.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Gynecologic history taking, pelvic examination and diag. modalities	Belgin SELAM
10:10 - 10:50	Menstrual cycle disorders	Belgin SELAM
11:00 - 11:40	Congenital Infections	Metehan ÖZEN
11:50 - 12:30	Congenital Infections	Metehan ÖZEN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Physiologic changes in the puerperium	Selin ÖZALTIN
14:20 - 15:00	Pathology of breast	Fatma TOKAT
15:10 - 15:50	Pathology of breast	Fatma TOKAT
16:00 - 16:40	Study Time for PBL	
16:50 - 17:30	Study Time for PBL	

## 20.03.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Male reproductive function	Ekin DÖNGEL
10:10 - 10:50	Genetic basis of infertility	Kaya BİLGUVAR
11:00 - 11:40	PBL Session 2 - Family	DİNÇ, KESKİNÖZ, ARTVINLİ, AKSUNGAR, ELMAS, TOPSEVER, YASİN
11:50 - 12:30	PBL Session 2 - Family	DİNÇ, KESKİNÖZ, ARTVINLİ, AKSUNGAR, ELMAS, TOPSEVER, YASİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Development of the reproductive system	Merve AÇIKEL ELMAS
16:50 - 17:30	Development of the reproductive system	Merve AÇIKEL ELMAS

## 21.03.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of testis	Yeşim SAĞLICAN
10:10 - 10:50	Pathology of testis	Yeşim SAĞLICAN
11:00 - 11:40	LAB:Hist of the organs forming the male reproductive sys._Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
11:50 - 12:30	LAB:Hist of the organs forming the male reproductive sys._Group A	ARBAK, YÜCEL, AÇIKEL ELMAS
12:30 - 13:30	Lunch Time	
13:30 - 14:10	LAB:Hist of the organs forming the male reproductive sys._Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
14:20 - 15:00	LAB:Hist of the organs forming the male reproductive sys._Group B	ARBAK, YÜCEL, AÇIKEL ELMAS
15:10 - 15:50	Study Time for PBL	
16:00 - 16:40	Hereditary breast and ovarian cancers	Cemaliye AKYERLİ BOYLU
16:50 - 17:30	Pathology of prostate	Yeşim SAĞLICAN

## 22.03.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Male sexual dysfunction	Enis Rauf COŞKUNER
10:10 - 10:50	Drugs affecting bladder function and erectile dysfunction	Filiz Onat
11:00 - 11:40	CMPS/H&S-II: Supply, demand & market in health economics	BERNA EREN
11:50 - 12:30	CMPS/H&S-II: Supply, demand & market in health economics	BERNA EREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time for PBL	
14:20 - 15:00	Androgens and anti-androgens	Emel BALOĞLU
15:10 - 15:50	Reproductive health	Yeşim YASİN
16:00 - 16:40	Safe motherhood	Yeşim YASİN
16:50 - 17:30	Study Time for PBL	



## 25.03.2024 MONDAY

08:30 - 09:10	CMPS/H&S-II: Training in PC	
09:20 - 10:00	CMPS/H&S-II: Training in PC	
10:10 - 10:50	CMPS/H&S-II: Training in PC	
11:00 - 11:40	CMPS/H&S-II: Training in PC	
11:50 - 12:30	CMPS/H&S-II: Training in PC	
12:30 - 13:30	Lunch Time	
13:30 - 14:10	CMPS/H&S-II: Training in PC	
14:20 - 15:00	CMPS/H&S-II: Health Systems and Policy-I	Yeşim YASİN
15:10 - 15:50	CMPS/H&S-II: Health Systems and Policy-I	Yeşim YASİN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 26.03.2024 TUESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Estrogens, progestins and contraceptives, postmenap. hormon ther.	Filiz ONAT
10:10 - 10:50	Estrogens, progestins and contraceptives, postmenap. hormon ther.	Filiz ONAT
11:00 - 11:40	Pathology of non neoplastic uterine corpus	Handan ZEREN
11:50 - 12:30	Pathology of neoplastic uterine corpus	Handan ZEREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	PBL Session 3 - Family	DİNÇ, KESKİNÖZ, ARTVİNLİ, AKSUNGAR, ELMAS, TOPSEVER, YAŞIN
14:20 - 15:00	PBL Session 3 - Family	DİNÇ, KESKİNÖZ, ARTVİNLİ, AKSUNGAR, ELMAS, TOPSEVER, YAŞIN
15:10 - 15:50	Study Time	
16:00 - 16:40	Medical English: GUS Journal Club	Bora ÖZVEREN, Sesin KOCAGÖZ
16:50 - 17:30	Medical English: GUS Journal Club	Bora ÖZVEREN, Sesin KOCAGÖZ

## 27.03.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Sexually transmitted and other genital infections	Sesin KOCAGÖZ
10:10 - 10:50	Sexually transmitted and other genital infections	Sesin KOCAGÖZ
11:00 - 11:40	Pathology of ovary and fallopian tubes	Handan ZEREN
11:50 - 12:30	Pathology of ovary and fallopian tubes	Handan ZEREN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 28.03.2024 THURSDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Pathology of vulva, vagina and cervix	Handan ZEREN
10:10 - 10:50	Pathology of vulva, vagina and cervix	Handan ZEREN
11:00 - 11:40	Radiological anatomy & algorithym of the urogenital & reproduc. sys.	Aylin ALTAN KUŞ
11:50 - 12:30	Radiological anatomy & algorithym of the urogenital & reproduc. sys.	Aylin ALTAN KUŞ
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Epidemiology and prevention of HIV	Yeşim YASİN
14:20 - 15:00	Epidemiology and prevention of HIV	Yeşim YASİN
15:10 - 15:50	Clinical and treatment approach to HIV infection	Sesin KOCAGÖZ
16:00 - 16:40	Family planning and contraception: counselling and informed choice	Pınar TOPSEVER
16:50 - 17:30	Sexual health in special groups	Pınar TOPSEVER

## 29.03.2024 FRIDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	CMPS/H&S-II: Health Systems and Policy- II	Yeşim YASİN
11:50 - 12:30	CMPS/H&S-II: Health Systems and Policy-II	Yeşim YASİN
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Study Time	
14:20 - 15:00	Formative Assessment II	ALTINTAŞ, ERGEN
15:10 - 15:50	Formative Assessment II	ALTINTAŞ, ERGEN
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 01.04.2024 MONDAY

08:30 - 09:10	CMPS/H&S-II: Student reflection sessions
09:20 - 10:00	CMPS/H&S-II: Student reflection sessions
10:10 - 10:50	CMPS/H&S-II: Student reflection sessions
11:00 - 11:40	CMPS/H&S-II: Student reflection sessions
11:50 - 12:30	CMPS/H&S-II: Student reflection sessions
12:30 - 13:30	Lunch Time
13:30 - 14:10	CMPS/H&S-II: Student reflection sessions
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 02.04.2024 TUESDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	CMPS/H&S-II: written examination
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

## 03.04.2024 WEDNESDAY

08:30 - 09:10	Study Time	
09:20 - 10:00	Study Time	
10:10 - 10:50	Study Time	
11:00 - 11:40	Study Time	
11:50 - 12:30	CMPS/H&S-II: Student reflection sessions	YASIN, DEMİR, TOPSEVER
12:30 - 13:30	Lunch Time	
13:30 - 14:10	Electives in Medicine	
14:20 - 15:00	Electives in Medicine	
15:10 - 15:50	Electives in Medicine	
16:00 - 16:40	Study Time	
16:50 - 17:30	Study Time	

## 04.04.2024 THURSDAY

08:30 - 09:10	Study Time
09:20 - 10:00	Study Time
10:10 - 10:50	Study Time
11:00 - 11:40	Study Time
11:50 - 12:30	Study Time
12:30 - 13:30	Lunch Time
13:30 - 14:10	Study Time
14:20 - 15:00	Study Time
15:10 - 15:50	Study Time
16:00 - 16:40	Study Time
16:50 - 17:30	Study Time

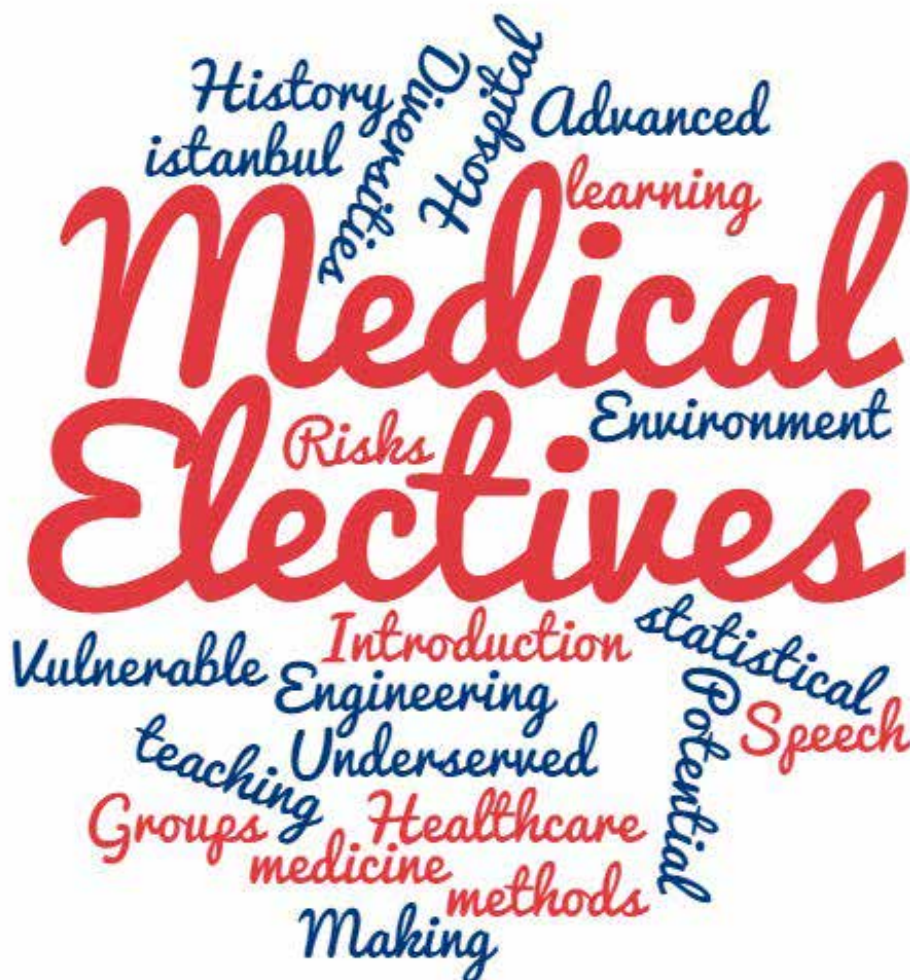
## 05.04.2024 FRIDAY

08:30 - 09:10	
09:20 - 10:00	
10:10 - 10:50	
11:00 - 11:40	MED 312 PRACTICAL EXAMINATION
11:50 - 12:30	MED 312 PRACTICAL EXAMINATION
12:30 - 13:30	
13:30 - 14:10	
14:20 - 15:00	MED 312 THEORETICAL EXAMINATION II
15:10 - 15:50	MED 312 THEORETICAL EXAMINATION II
16:00 - 16:40	
16:50 - 17:30	



ACIBADEM  
UNIVERSITY

ELECTIVES IN MEDICINE  
PROGRAM STUDENT GUIDE  
**2023-2024**





## **SCHOOL OF MEDICINE**

# **ELECTIVES in MEDICINE STUDENT GUIDE**

V.1.03

October 2023

# ELECTIVES in MEDICINE (Fall 2023 – 2024)

## Coordinators

**Levent ALTINTAŞ,**  
M.D., Assoc. Prof.  
Department of Medical  
Education

**Fatih ARTVİNLİ,**  
Ph.D., Assoc. Prof. Depart-  
ment of the History of  
Medicine and Ethics

**Emel TİMUÇİN**  
Ph.D. Assoc. Prof.  
Department of Biostatistics  
and Medical Informatics

## *Medical Research Projects Coordinators*

**Tanıl KOCAGÖZ**  
M.D., Prof. Department of Medical Microbiology

## *Social Research Projects Coordinator*

**Fatih ARTVİNLİ,**  
Ph.D. Assoc. Prof. Department of the History of Medicine and Ethics

## *Course Instructors & Co-instructors*

**Levent ALTINTAŞ**  
M.D. Assoc. Prof.  
Department of Medical Education

**Melike ŞAHİNER**  
M.D. Assoc. Prof.  
Department of Medical Education

**Ata AKIN**  
Ph.D. Prof.  
Department of Medical Engineering

**Hande BAYRAM**  
Ph.D. Assist. Prof.  
Department of Medical Engineering

**Deniz YÜCEL,**  
Ph. D. Assist. Prof.  
Department of Histology and  
Embryology

**Beste KİNİKOĞLU EROL**  
Ph. D. Assoc. Prof.  
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Ph.D. Prof.  
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**Uğur ÖZBEK**  
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Department of Medical Genetics

**Fatih ARTVİNLİ**  
Ph.D. Assoc. Prof.  
Department of History of Medicine and  
Ethics

**Cem SUNGUR**  
M.D. Prof.  
Department of Internal Medicine

**O. Uğur SEZERMAN**  
Ph.D. Prof.  
Department of Biostatistics and  
Medical Informatics

**Muhittin A. SERDAR**  
M.D. Prof.  
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**Sinem Öktem OKULLU**  
Ph.D. Assist. Prof. Department of  
Medical Microbiology

**Mehmet ERGEN**  
Ph.D. Assist. Prof.  
Department of Physiology

**Ali Rıza Cenk ÇELEBİ**  
M.D. Assoc. Prof.  
Department of Ophthalmology

**Yeşim YASİN**  
M.D. Assoc. Prof.  
Department of Public Health

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## **2. Courses and Projects**

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2.2. Second Semester Elective Projects

## **3. Course information**

## **4. Electives in Medicine Projects and Courses Table**

## **5. Registration form**

## Dean's Message

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Dear Students,

ACU School of Medicine's curriculum is designed to integrate basic sciences and clinical concepts in parallel streams all throughout Phase I (Years 1,2 &3).

Our main subject committee stream is paired with CMPS (Clinical Medicine and Professional Skills) program to provide you with skills to become lifelong researchers and trans-disciplinary scientists. Professionalism, ethics and social aspects of medicine are embedded in its structure. The well-established core curriculum of CMPS, now revised according to the National Core Curriculum for Medical Education (UÇEP-2014) is mandatory to all Phase I students.

This year, we are taking another important step in our continuing efforts to enrich and develop the Phase I curriculum. Hence, I am proud to introduce you to our new stream: "Electives in Medicine". This program is specifically designed to promote in depth enthusiasm in different fields of medicine, basic sciences, bioinformatics, medical engineering and humanities in general. You are encouraged to become independent inquirers, researchers, health advocates! We are looking forward to your accomplishments.

I sincerely, thank our program coordinators and contributing faculty members and wish you all a sensational year!

Best wishes,

Nadi BAKIRCI

Dean

# ELECTIVES IN MEDICINE FLOW CHART

*(Ask Yourself)*

Do I want to participate a project based work or to attend a course?

## RESEARCHS AND PROJECTS

*if you want to be a part of a project based activity firstly decide that will it be a social project or a research*

## COURSE

*To decide a proper course carefully examine the catalogue in detail.*

*if you want to apply a course, you have to chose one that you are interested and apply to it by using people soft.*

## Medical Researchs Projects

*Look for a proper position that you want to be a part of it.*

## Social Research Projects

*Look for a proper position that you want to be a part of it.*

*To decide a proper project carefully examine research projects present in the catalogue and signed as open for this semester.*

*To decide a proper project carefully examine the open social project in the catalogue. Please be careful some social projects can be designed as courses if you will find a project that was opened as course you can apply directy by using people soft.*

If you can find one

If you **can not** find one

If you can find one

If you **can not** find one

To apply visit the responsible academican of project. If you will accepted to project team and they will inform the coordinator of research projects.

**Be careful**

**ONLY ACCEPTED STUDENTS WOULD BE APPLY THE PROJECTS**

Now you can apply to related project as your elective in medicine program

**Have you got a creative idea?**

**YES**

**NO**

Visit one of related academican & express your idea. If you will be succesfull enough you can start a research project.

May be you have to apply on elective course this semester. But you can be a part of the research teams any time that you are ready

To apply visit the responsible academican of project. If you will accepted to project team and they will inform the coordinator of research projects.

**Be careful**

**ONLY ACCEPTED STUDENTS WOULD BE APPLY THE PROJECTS**

Now you can apply to related project as your elective in medicine program

**Have you got a creative idea?**

**YES**

**NO**

Visit one of related academican & express your idea. If you will be succesfull enough you can start a research project.

May be you have to apply on elective course this semester. But you can be a part of the research teams any time that you are ready

**Medical Research and Projects Coordinator**

**Tanıl KOCAGÖZ**



**Social Research and Projects Coordinator**

**Fatih ARTVINLİ**





## Courses and Projects (2023 – 2024)

### Fall Semester Elective Courses

- EMED 001 Introduction to Medical Engineering**  
*Hande Bayram, Ph.D. Assist. Prof. Department of Medical Engineering*
- EMED 005 Vulnerable and Underserved Groups in Healthcare**  
*Fatih Artvinli, Ph.D. Assoc. Prof. Department of History of Medicine and Ethics*  
*Yeşim Yasin, M.D. Assoc. Prof. Department of Public Health*
- EMED 008 Public Speaking**  
*Levent Altıntaş, M.D. Ph.D. Assoc. Prof. Department of Medical Education*
- EMED 009 Computational 'Omics' Analysis**  
*O. Uğur Sezerman, Ph.D. Prof. Department of Biostatistics and Medical Informatics*
- EMED 019 Research tools in psychophysiology**  
*Mehmet Ergen, Ph.D. Assist. Prof. Department of Physiology*
- EMED 029 Biomedical Technologies –II-**  
*Sinem Öktem Okullu, Ph.D. Assist. Prof. Department of Medical Microbiology*
- EMED 030 Ophthalmic Biotechnology**  
*Ali Rıza Cenk Çelebi, M.D. Assoc. Prof. Department of Ophthalmology*
- EMED 203 Applied Statistics and Data Mining in Health Data**  
*Muhittin Serdar, M.D. Prof. Department of Medical Biochemistry*
- EMED 304 How do we learn?**  
*Melike Şahiner, M.D. Assoc. Prof. Department of Medical Education*
- EMED 305 Cognitive Biases and Noise in Diagnostic Reasoning**  
*I Cem Sungur, M.D. Prof., Department of Internal Medicine*

### Fall Semester Elective Research Projects

- EMED 281 Social Research Projects**  
*Fatih Artvinli, Ph.D. Assoc. Prof. Department of History of Medicine and Ethics*
- EMED 291 Medical Research Projects**  
*Tanıl Kocagöz, M.D. Prof. Department of Medical Microbiology*
- EMED 381 Social Research Projects**  
*Fatih Artvinli, Ph.D. Assoc. Prof. Department of History of Medicine and Ethics*
- EMED 391 Medical Research Projects**  
*Tanıl Kocagöz, M.D. Prof. Department of Medical Microbiology*

### **Spring Semester Elective Courses (Tentative)**

- EMED 008 Public Speaking**  
*Levent Altıntaş, M.D. Ph.D. Assoc. Prof. Department of Medical Education*
- EMED 017 Regenerative Medicine**  
*Deniz Yücel, Ph.D. Assist. Prof. Department of Histology and Embryology*  
*Beste Kınıkoğlu Erol, Ph. D. Assoc. Prof. Department of Medical Biology*
- EMED 020 Myths about Medicinal Plants**  
*Melike Şahiner, M. D. Assoc. Prof. Department of Medical Education*
- EMED 031 History of Epidemics and Pandemics: Their Impacts on Society and Medicine**  
*Fatih Artvinli, Ph.D. Assoc. Prof., Department of History of Medicine and Ethics*
- EMED 032 Medical Technologies**  
*Ata Akın, Ph.D. Prof., Department of Medical Engineering*
- EMED 036 Artificial Intelligence Applications in Medicine**  
*Ali Rıza Cenk Çelebi, M.D. Prof. Department of Ophthalmology*
- EMED 038 Bioethics and Movies**  
*Yeşim Işıl Ülman, Ph.D. Prof., Department of History of Medicine and Ethics*
- EMED 040 So Common No Matter How Rare**  
*Uğur Özbek, M.D. Prof., Department of Medical Genetics*
- EMED 302 Personalized Medicine**  
*Uğur Sezerman, Ph.D. Prof., Department of Biostatistics and Medical Informatics*
- EMED 306 Diagnostic Reasoning**  
*I Cem Sungur, M.D. Prof., Department of Internal Medicine*

### **Spring Semester Elective Medical & Social Research Projects**

- EMED 282/382 Social Research Projects**  
*Fatih Artvinli, Ph.D. Assoc. Prof. Department of History of Medicine and Ethics*
- EMED 292/392 Medical Research Projects**  
*Tanıl Kocagöz, M.D. Prof. Department of Medical Microbiology*

<b>1.1. Elective Course Title</b>	Introduction to Medical Engineering																														
<b>2.1. Name of course instructor (coordinator)</b>	Hande Bayram Ph.D. <i>Assist. Prof. Department of Medical Engineering</i>																														
<b>2.2. Names of co-instructors</b>	Ata Akin Ph.D. <i>Prof. Department of Medical Engineering</i>																														
<b>3.1. Brief course description</b>	Aim of the course is to introduce the students to the field of medical engineering, teach them the basics of medical device innovation processes (a.k.a. bio design), introduce them to clinical settings and with medical experts in identifying clinical problems and help them create an innovative solution to a clinical problem.																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>•Gain knowledge on the broad field of medical engineering</li> <li>•Observe clinical settings and the problems most common in these environments</li> <li>•Learn innovation and design techniques</li> <li>•Use project based learning techniques in producing feasible solution to a clinical problem via teamwork</li> <li>•Present their solutions in an attractive manner.</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective (s)</b>	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>Students are expected to perform literature surveys, consult experts in understanding the pathophysiology of the disease, origins of the clinical problem and the state-of-art of technology in treating or diagnosing this problem</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Students are expected to work in teams in creating their solutions and presenting their idea</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td>✓</td> <td></td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Students are expected to present their innovative solution as an oral presentation and a written report</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Students are expected to work in teams in creating their innovative solutions to a clinical problem. They will be informed about the processes that involve project development</td> </tr> <tr> <td>6</td> <td>Being aware and taking of the social and ethical responsibilities</td> <td>✓</td> <td>The solutions proposed should abide with ethical standards and medical regulations. Students are expected to be aware of the social and ethical implications of their solutions</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	Students are expected to perform literature surveys, consult experts in understanding the pathophysiology of the disease, origins of the clinical problem and the state-of-art of technology in treating or diagnosing this problem	2	Collaboration and Productivity / Team work	✓	Students are expected to work in teams in creating their solutions and presenting their idea	3	Understanding and using the basic principles of evidence-based scientific approaches	✓		4	Expressing him/herself (oral and written)	✓	Students are expected to present their innovative solution as an oral presentation and a written report	5	Project development implementation and evaluation	✓	Students are expected to work in teams in creating their innovative solutions to a clinical problem. They will be informed about the processes that involve project development	6	Being aware and taking of the social and ethical responsibilities	✓	The solutions proposed should abide with ethical standards and medical regulations. Students are expected to be aware of the social and ethical implications of their solutions
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<b>6.1. Minimum number of participants</b>	1																														
<b>6.2. Maximum number of participants</b>	15																														
<b>6.3. Year(s) and Semester(s) Offered ( ✓ )</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>Fall</td> <td></td> <td></td> </tr> <tr> <td>Second</td> <td>✓</td> <td></td> </tr> <tr> <td>Third</td> <td>✓</td> <td></td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	Fall			Second	✓		Third	✓																	
Years /Semesters	Fall	Spring																													
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Third	✓																														
<b>7.1. Prerequisite of the course</b>	None																														
<b>8.1. Planned Product(s) of the course</b>	Students are expected to present their work and submit a written report on their solution																														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Attendance, final presentation and report, course assessment																														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	History of medical Engineering, purpose of the course
<b>2</b>	Success Story: AStore Invited Speaker: Director of IT at ASG: Kemal Kaplan
<b>3</b>	What is Biodesign
<b>4</b>	Biodesign I: Needs Identification: Hospital Visit
<b>5</b>	Biodesign I: Needs Identification: Hospital Visit
<b>6</b>	Biodesign I: Needs Identification: Hospital Visit
<b>7</b>	Biodesign II: Innovation Workshop (principles innovation process)
<b>8</b>	Biodesign II: Innovation Workshop
<b>9</b>	Biodesign II: Innovation Workshop
<b>10</b>	Biodesign III: Implementation: Project management
<b>11</b>	Biodesign III: Implementation: Presentation Skills
<b>12</b>	Biodesign III: Implementation: Proposal Preparation
<b>13</b>	Mock Presentations and feedback
<b>14</b>	Mock Presentations and feedback

<b>1.1. Elective Course Title</b>	Vulnerable and Underserved Groups in Healthcare																														
<b>2.1. Name of course instructor (coordinator)</b>	Yeşim Yasin <i>Assoc. Prof. Public Health Department</i>																														
<b>2.2. Names of co-instructors</b>	Fatih Artvinli <i>Assoc. Prof. History of Medicine &amp; Medical Ethics</i>																														
<b>3.1. Brief course description</b>	Aim of the course is to introduce the concept of vulnerability and its implications in medical care. Guest speakers from various NGOs representing variety of vulnerable groups in Turkey and/or people from disenfranchised groups themselves would be the main driver of this elective. Group discussions would follow each and every lecture. Relevant visual material would enrich the vision of students. Students would have an opportunity to understand the needs of these special groups, direct small group discussions and design a project on how to enhance the accessibility and quality of healthcare services tailored to the needs of underserved populations in terms of medical care.																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Gain knowledge on the definition of vulnerability and its implications in medical care.</li> <li>• Define the main vulnerable groups.</li> <li>• Meet/encounter a member of a given vulnerable group.</li> <li>• Understand the special nature and healthcare needs of different vulnerable populations.</li> <li>• Write reflection papers and design projects to enhance their accessibility to healthcare services.</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective (s)</b> <i>(Please, mark the supported EME Course basic objective(s) and explain briefly.)</i>	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>NGO visits and/or interviews with people that fall in one of the a/m categories.</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Group discussions and presentations.</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td>✓</td> <td></td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Paper writing &amp; oral presentation</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Development of a project in order to make the needs of vulnerable groups, advocacy and policy.</td> </tr> <tr> <td>6</td> <td>Being aware and taking of the social and ethical responsibilities</td> <td>✓</td> <td>Rethinking physicians' role in giving voice to vulnerable groups.</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	NGO visits and/or interviews with people that fall in one of the a/m categories.	2	Collaboration and Productivity / Team work	✓	Group discussions and presentations.	3	Understanding and using the basic principles of evidence-based scientific approaches	✓		4	Expressing him/herself (oral and written)	✓	Paper writing & oral presentation	5	Project development implementation and evaluation	✓	Development of a project in order to make the needs of vulnerable groups, advocacy and policy.	6	Being aware and taking of the social and ethical responsibilities	✓	Rethinking physicians' role in giving voice to vulnerable groups.
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6	Being aware and taking of the social and ethical responsibilities	✓	Rethinking physicians' role in giving voice to vulnerable groups.																												
<b>6.1. Minimum number of participants</b>	Ten (10)																														
<b>6.2. Maximum number of participants</b>	Twenty-five (25)																														
<b>6.3. Year(s) and Semester(s) Offered ( ✓ )</b> <i>(Please, mark ( ✓ )</i>	<b>Years /Semesters</b>	<b>Fall</b>	<b>Spring</b>																												
	Fall																														
	Second	✓																													
	Third	✓																													
<b>7.1. Prerequisite of the course</b>	<ul style="list-style-type: none"> <li>- Min. 90% attendance</li> <li>- Fluency in Turkish language</li> </ul>																														
<b>8.1. Planned Product(s) of the course</b> <i>(At the end of the course students should create a product as a research report, presentation, and so on.)</i>	<p>During the course, students would be asked to write reflection papers. At the end of the course, students would be asked to write a paper about their projects in small groups. Students who earned a score of 75 or higher would be entitled to have a "Non-discrimination in Medical Service Certificate".</p>																														

## 9.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture, course overview
<b>2</b>	People with mental disorders
<b>3</b>	People with physical disabilities
<b>4</b>	People Living with HIV/AIDS
<b>5</b>	LGBTI+ community
<b>6</b>	Mobile Populations (street kids, homeless people, Romans etc.)
<b>7</b>	Victims of Violence against Women
<b>8</b>	Elderly
<b>9</b>	Sex Workers
<b>10</b>	Stray Animal
<b>11</b>	Project preparation
<b>12</b>	Project preparation
<b>13</b>	Project presentations
<b>14</b>	Project presentations

### 10.1. Assessment and evaluation plan

*(This plan will be announced in the form of the course description.)*

Overall active attendance: 25 pts.

Reflection papers: 10

Project presentations: 25 pts.

Paper: 40 pts.

<b>1.1. Elective Course Title</b>	Public Speaking																														
<b>2.1. Name of course instructor (coordinator)</b>	Levent Altıntaş <i>M.D. Ph.D.</i> <i>Assoc. Prof. Department of Medical Education</i>																														
<b>2.2. Names of co-instructors</b>	Melike Şahiner <i>M.D.</i> <i>Assoc. Prof. Department of Medical Education</i>																														
<b>3.1. Brief course description</b>	The aim of this course is to introduce the basic principles of effective speech making. The course will be performed as a student centered active small group activities. During the training period attendees will have the opportunities of working together in small groups to create, perform and evaluate their speeches.																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>•Gain knowledge of historical and cultural background of speech making.</li> <li>•Design, perform and evaluate an effective speech.</li> <li>•Understand the nature and how to handle the speech anxiety problem.</li> <li>•Improve their speech making skills and, perform an effective speech.</li> <li>•Understand the principles of critical analysis and standards of speech criticism</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective (s)</b>	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>Attendees are expected to study and gain the essential knowledge about effective speech making.</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Attendees are expected to perform successful team work to create, perform and evaluate the effective speeches.</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td>✓</td> <td></td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Attendees are expected to perform their speeches.</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Attendees are expected to develop and perform their speeches as a team work based project.</td> </tr> <tr> <td>6</td> <td>Being aware and taking of the social and ethical responsibilities</td> <td>✓</td> <td>Attendees are expected to be aware of their social ethical responsibilities when developing and performing their speech.</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	Attendees are expected to study and gain the essential knowledge about effective speech making.	2	Collaboration and Productivity / Team work	✓	Attendees are expected to perform successful team work to create, perform and evaluate the effective speeches.	3	Understanding and using the basic principles of evidence-based scientific approaches	✓		4	Expressing him/herself (oral and written)	✓	Attendees are expected to perform their speeches.	5	Project development implementation and evaluation	✓	Attendees are expected to develop and perform their speeches as a team work based project.	6	Being aware and taking of the social and ethical responsibilities	✓	Attendees are expected to be aware of their social ethical responsibilities when developing and performing their speech.
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6	Being aware and taking of the social and ethical responsibilities	✓	Attendees are expected to be aware of their social ethical responsibilities when developing and performing their speech.																												
<b>6.1. Minimum number of participants</b>	6																														
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Third	X																														
<b>7.1. Prerequisite of the course</b>	None																														
<b>8.1. Planned Product(s) of the course</b>	Participants will create and perform some effective speech activity and report on it.																														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Overall active attendance 20 pts., Quiz (Basic principles of speech making) 20 pts., Individual and team speech performance 30 pts., Group study and speech criticism performance 30 pts.																														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture, course overview
<b>2</b>	<b>Discussion:</b> Fundamentals of Speech making Historical and Cultural back ground of speechmaking What are the resources for better speech and how to use them.
<b>3</b>	<b>Self-Study</b> Basic Principles of Speechmaking Main principles of speech making Identifying the general purpose of speech and applying to the topic and situations Investigating the subject and audience analysis Developing speech materials.
<b>4</b>	Discussion and assessment (Basic principles of speech making)
<b>5</b>	Defining speech projects and project teams; introduction to team work activities
<b>6</b>	<b>Group Study:</b> Creating speech projects
<b>7</b>	<b>Group Study:</b> Creating speech projects
<b>8</b>	Discussion and assessment of the group study period
<b>9</b>	<b>Discussion:</b> Evaluating a speech making Principles of critical speech analysis Standards of speech criticism.
<b>10</b>	Performing the speeches 1
<b>11</b>	Performing the speeches 2
<b>12</b>	Performing the speeches 3
<b>13</b>	Discussion and assessment of the performing period
<b>14</b>	Discussion and evaluation of the training



<b>1.1. Elective Course Title</b>	Computational Omics' Analysis																														
<b>2.1. Name of course instructor (coordinator)</b>	O. Uğur Sezerman <i>Ph.D.</i> <i>Prof. Department of Biostatistics and Medical Informatics</i>																														
<b>2.2. Names of co-instructors</b>																															
<b>3.1. Brief course description</b>	Aim of the course is to introduce 'omics' technologies including transcriptomics, next-generation sequencing, proteomics, metabolomics and epigenetics that are being used in diagnostics and personalized medicine. The course will cover different bioinformatics methods that are used in analysis of each type of 'omics' data. There will be a course project in which each group will be given real patient 'omics' data (Cancer, Multiple Sclerosis, Amyotrophic Lateral Sclerosis,) and will be asked to identify markers that can be used either for diagnostics and/or treatment.																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Gain knowledge of 'omics' technologies.</li> <li>• Gain Knowledge on analysis methods.</li> <li>• Perform and evaluate real patient data analysis.</li> <li>• Improve their analytic and decision making skills for diagnostics and treatment.</li> <li>• Understand the principles of critical analysis of 'omics' data</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective (s)</b>	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>Attendances are expected to study and gain the essential knowledge about omics data analysis</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Attendances are expected to perform successful team work to perform and evaluate 'omics' data</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td>✓</td> <td>Attendances are expected to study statistical and machine learning based analysis methods</td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Attendances are expected to present their findings</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Attendances are expected to develop and perform Their report as a team work based project.</td> </tr> <tr> <td>6</td> <td>Being aware and taking of the social and ethical responsibilities</td> <td>✓</td> <td>Attendances are expected to be aware of their social ethical responsibilities when performing analysis of real patient data.</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	Attendances are expected to study and gain the essential knowledge about omics data analysis	2	Collaboration and Productivity / Team work	✓	Attendances are expected to perform successful team work to perform and evaluate 'omics' data	3	Understanding and using the basic principles of evidence-based scientific approaches	✓	Attendances are expected to study statistical and machine learning based analysis methods	4	Expressing him/herself (oral and written)	✓	Attendances are expected to present their findings	5	Project development implementation and evaluation	✓	Attendances are expected to develop and perform Their report as a team work based project.	6	Being aware and taking of the social and ethical responsibilities	✓	Attendances are expected to be aware of their social ethical responsibilities when performing analysis of real patient data.
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<b>6.1. Minimum number of participants</b>	10																														
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<b>7.1. Prerequisite of the course</b>	Basic Knowledge on Biostatistics, Bioinformatics																														
<b>8.1. Planned Product(s) of the course</b>	Attendances are expected to perform bioinformatics analysis on some omics data and report on it.																														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	2 Midterms 20 pts each., 1 Final exam 40 pts., Term Project 20 pts.																														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture, course overview and Related Statistics concepts
<b>2</b>	Lecture: Transcriptomics and Data Analysis+ Comp. Lab. 1
<b>3</b>	Lecture: Transcriptomics and Data Analysis+ Comp. Lab. 2
<b>4</b>	Lecture: NGS and Data Analysis+ Comp. Lab.
<b>5</b>	Lecture: NGS and Data Analysis+ Comp. Lab.2
<b>6</b>	Lecture: Proteomics and Data Analysis+ Comp. Lab.1
<b>7</b>	Lecture: Proteomics and Data Analysis+ Comp. Lab.2
<b>8</b>	Lecture: Metabolomics and Data Analysis+ Comp. Lab.1
<b>9</b>	Lecture: Metabolomics and Data Analysis+ Comp. Lab.2
<b>10</b>	Lecture: Epigenetics and Data Analysis+ Comp. Lab.1
<b>11</b>	Lecture: Epigenetics and Data Analysis+ Comp. Lab.2
<b>12</b>	Group work on the term Project
<b>13</b>	Presentation of the term Projects
<b>14</b>	Discussion and Assessment of the term projects

<b>1.1. Elective Course Title</b>	Research tools in Psychophysiology														
<b>2.1. Name of course instructor (coordinator)</b>	Mehmet Ergen <i>Ph.D.</i> <i>Assist. Prof. Dep of Physiology</i>														
<b>2.2. Names of co-instructors</b>	Mustafa Seçkin <i>M.D.</i> <i>Assist. Prof. Department of Neurology</i>														
<b>3.1. Brief course description</b>	<p>The aim of the course is to introduce the research on cognition from perspectives of both physiology and behavioral sciences. The lectures will cover a tour (basic knowledge) on almost all available methods used in psychophysiology and cognitive neuroscience. There will also be advanced lectures on data recording, analysis of EEG and eye-tracking. In the last 3 weeks there will be a hands on sessions on a computer based behavioral task presentation software (PsychoPy). Attendees will design a genuine behavioral task. The course also includes discussions neuroscience news to increase media literacy of the students on this topic.</p>														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Gain knowledge on definitions and methods of behavioral neuroscience.</li> <li>• Gain insight into the rationale bridging behavioral tasks and brain activity</li> <li>• Design a computer based behavioral task</li> <li>• Gain methodological knowledge on basics of EEG and ,fMRI eye-tracking</li> </ul>														
<b>5.1. Supported EME Course Basic Objective(s)</b> (Please, mark the supported EME Course basic objective(s) and explain briefly.)															
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b> <b>Explanation</b>												
	1	Self-directed learning	✓ Students are expected to study and gain the essential knowledge about neuroscience topics chosen by themselves.												
	2	Collaboration and Productivity / Team work													
	3	Understanding and using the basic principles of evidence-based scientific approaches													
	4	Expressing him/herself (oral and written)	✓ Attendees are expected to actively participate by asking questions and making comments												
	5	Project development implementation and evaluation													
	6	Being aware and taking of the social and ethical responsibilities													
<b>6.1. Minimum number of participants</b>	6														
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<b>7.1. Prerequisite of the course</b>	None														
<b>8.1. Planned Product(s) of the course</b> (At the end of the course students should create a product as a research report, presentation, and so on.)	Attendees are expected to design a genuine behavioral task and reproduce several known tasks by the free software -PsychoPy.														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Average of weekly based active attendance performance (asking questions, participation in discussions): 50 pts Task design performance (functionality and complexity of the task): 50 pts														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture (informing about weekly plan, assessment plan) Brainstorming on the function of the nervous system and particularly the brain
<b>2</b>	Key concepts in cognitive neuroscience
<b>3</b>	Key concepts in cognitive neuroscience
<b>4</b>	Comprehensive summary of brain research methods
<b>5</b>	Comprehensive summary of brain research methods
<b>6</b>	Brain's electrical activity : EEG
<b>7</b>	Brain's electrical activity : Evoked potentials
<b>8</b>	Brain's electrical activity : Oscillations
<b>9</b>	fMRI – functional magnetic resonance imaging of cognitive
<b>10</b>	Cognitive functions and eye-tracking
<b>11</b>	PsychoPy: A freeware for behavioral task application / tutorial and demos
<b>12</b>	PsychoPy: A freeware for behavioral task application / tutorial and demos
<b>13</b>	PsychoPy: Experiment designing (study time with supervision)
<b>14</b>	PsychoPy Project presentation

<b>1.1. Elective Course Title</b>	Biomedical Technologies -II-																														
<b>2.1. Name of course instructor (coordinator)</b>	Sinem Öktem Okullu <i>Ph.D.</i> <i>Assist. Prof. Department of Medical Microbiology</i>																														
<b>2.2. Names of co-instructors</b>	Tanıl Kocagöz <i>MD. Ph.D.</i> <i>Prof. Department of Medical Microbiology</i>																														
<b>3.1. Brief course description</b>	<p>The aim of the course is to provide the necessary knowledge about technologies used in medicine for diagnosis and treatment. To achieve this goal, the course gives information about the basic principles to which these technologies are based on and how these scientific principles are turned into diagnostic and therapeutic tools. The course also aims to make students evaluate easier the results of medical tests obtained by the diagnostic instruments and stimulate thinking and discussing about developing these technologies and new application areas. The course will be performed as a student centered active small group activities. During the training period attendances will have the opportunities of working together in small groups to perform experiments using biomedical technological methods.</p>																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• Gain knowledge about the principles of flow cytometry and how it is used in cell differentiation and counting</li> <li>• Understand how light is used for chemical and molecular analysis; the principle of fluorescence and its application in medicine</li> <li>• Evaluate different techniques of nucleic acid amplification and detection</li> <li>• Comprehend different techniques like electrophoresis, chromatography and mass spectrometry for separation and analysis of molecules</li> </ul>																														
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<b>6.1. Minimum number of participants</b>	6																														
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<b>7.1. Prerequisite of the course</b>	None																														
<b>8.1. Planned Product(s) of the course</b>	Attendances are expected to give a presentation on a selected topic related with the use of break-through technologies in medicine.																														
<b>9.1. Assessment and evaluation plan (This plan will be announced in the form of the course description.)</b>	Overall active attendance 50 pts., Individual presentation performance 50 pts.																														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory Lecture, Course Overview
<b>2</b>	Student Presentations 1-Nucleic Acid and Nucleic Acids Isolation (DNA, RNA and Protein
<b>3</b>	Student Presentations 2 - Nucleic Acid Amplification (PCR, RT-PCR)
<b>4</b>	Student Presentations 3 - Electrophoresis (DNA and Protein)
<b>5</b>	<b>Introduction to Clinical Laboratory:</b> Laboratory Instruments Used in Genetics Laboratory Visit to genetics laboratory and introduction to technologies used in genetics
<b>6</b>	<b>Introduction to Clinical Laboratory:</b> Laboratory Instruments Used in Microbiology Laboratory Visit to microbiology laboratory and introduction to technologies used in microbiology.
<b>7</b>	<b>Introduction to Clinical Laboratory:</b> Laboratory Instruments Used in Molecular Microbiology Laboratory Visit to microbiology laboratory and introduction to technologies used in microbiology.
<b>8</b>	<b>Introduction to Clinical Laboratory:</b> Laboratory Instruments Used in Biochemistry Laboratory Visit to biochemistry laboratory and introduction to technologies used in biochemistry.
<b>9</b>	<b>Introduction to Clinical Laboratory:</b> Laboratory Instruments Used in Pathology Laboratory Visit to molecular pathology laboratory and introduction to technologies used in molecular pathology.
<b>10</b>	Fluorescence Applications in Medicine - I -
<b>11</b>	Fluorescence Applications in Medicine - I -
<b>12</b>	Student Presentations; Fluorescence Applications in Medicine; X-Ray Radiography; Computed Tomography (CT) (computerized x-ray imaging); Ultrasonography
<b>13</b>	Student Presentations; Endoscopy; Electrocardiography (ECG); Electroencephalography (EEG); Positron Emission Tomography (PET); Dialysis
<b>14</b>	Student Presentations; Robotic Systems in Medicine; Audiogram and Vestibular Tests; Artificial Respiratory and Circulatory Systems; Tissue Engineering; Radiotherapy Instruments

<b>1.1. Elective Course Title</b>	Ophthalmic Biotechnology		
<b>2.1. Name of course instructor (coordinator)</b>	Ali Riza Cenk Celebi <i>M.D. FEBO FICO FICS FACS MRCSEd, Assoc. Prof. Department of Ophthalmology</i>		
<b>2.2. Names of co-instructors</b>			
<b>3.1. Brief course description</b>	The aim of the course is to introduce 'eye' with its basics, current approaches and future applications. It also aimed to provide the necessary knowledge about technologies used in medicine for diagnosis and treatment. To achieve this goal, the course gives information about the basic principles of the eye to new era technologies based on recent scientific basic science principles. It covers the anatomy and physiology of the eye and the recent biotechnology related to eye. Attendees will gain the opportunity to know how to perform basic science in a clinical specialty program.		
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>Gain knowledge of principles of the eye from basic to clinic in future ophthalmology</li> </ul> <p><i>By the end of this course, the attendees will be able to:</i></p> <ul style="list-style-type: none"> <li>Gain knowledge about the principles of eye anatomy, physiology prior to ophthalmology clerkship</li> <li>Understand how common ophthalmological problems are diagnosed and treated using biotechnology</li> </ul>		
<b>5.1. Supported EME Course Basic Objective(s)</b>	Please, mark the supported EME Course basic objective(s) and explain briefly.)		
<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>
1	Self-directed learning	✓	Students are expected to study and gain the essential knowledge about ophthalmology and medical biotechnology
2	Collaboration and Productivity / Team work	✓	Students are expected to work in teams in creating their solutions and presenting their idea
3	Understanding and using the basic principles of evidence-based scientific approaches	✓	Understanding and using the basic principles of basic scientific, clinical and translational approaches
4	Expressing him/herself (oral and written)	✓	Attendees are expected to present their literature survey
5	Project development implementation and evaluation	✓	Attendees are expected to design a presentation regarding to latest research in the field of ophthalmology
6	Being aware and taking of the social and ethical responsibilities	✓	Attendees are expected to be aware of ethical issues regarding ophthalmology
<b>6.1. Minimum number of participants</b>	4		
<b>6.2. Maximum number of participants</b>	15		
<b>6.3. Year(s) and Semester(s) Offered ( ✓ )</b>			
	<b>Years /Semesters</b>	<b>Fall</b>	<b>Spring</b>
	<b>Fall</b>		
	<b>Second</b>	X	
	<b>Third</b>	X	
<b>7.1. Prerequisite of the course</b>	None		
<b>8.1. Planned Product(s) of the course</b> (At the end of the course students should create a product as a research report, presentation, and so on.)	Students (alone or in a group) are expected to perform a literature survey on a specific topic and are expected to give a presentation and submit and article based on a selected topic related with the use of break-through technologies in ophthalmic biotechnology.		
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Overall active participation 20 pts., Presentation 40 pts., Article submission/ project proposal 40 pts.		

## 10.1. THE WEEKLY PLAN

<b>Weeks</b>	<b>Activities</b>
<b>1</b>	Registration / introduction
<b>2</b>	Registration / introduction
<b>3</b>	Anatomy and physiology of the eye; the clinician's perspective
<b>4</b>	Common ophthalmological problems that were treated using biotechnology
<b>5</b>	How to read and write in ophthalmology? Tips and tricks for your best scientific research
<b>6</b>	New generation contact lenses
<b>7</b>	Nano-ophthalmology
<b>8</b>	3D (bio)printing in ophthalmology
<b>9</b>	Special topic; corneal tissue engineering
<b>10</b>	Ocular drug delivery systems
<b>11</b>	Stem cells in ophthalmology
<b>12</b>	Ophthalmic imaging
<b>13</b>	Artificial intelligence / Virtual Reality and Augmented Reality applications in ophthalmology
<b>14</b>	Final (presentation and proposals)



<b>1.1. Elective Course Title</b>	Applied Statistics and Data Mining in Health Data		
<b>2.1. Name of course instructor (coordinator)</b>	Muhittin A. Serdar, <i>Prof. Medical Biochemistry</i>		
<b>2.2. Names of co-instructors (if present)</b>			
<b>3.1. Brief course description:</b>	Anonymized data sets in the Hospital Information System will be selected, cleaned, data mining and basic statistical studies will be done and usable scientific outputs will be obtained		
<b>4.1. Course Objectives / Learning Outcomes:</b>	<ol style="list-style-type: none"> <li>1. Demonstrate knowledge of the properties of parametric, and nonparametric testing procedures.</li> <li>2. Demonstrate the ability to apply linear, nonlinear and generalized linear models.</li> <li>3. Demonstrate knowledge of multivariate analysis</li> <li>4. Demonstrate the ability to perform big data collection, cleaning and transformation into knowledge.</li> <li>5. Demonstrate understanding of how to design experiments and surveys for efficiency.</li> <li>6. Demonstrates establishing a research project, choosing the appropriate statistics and applying to the ethics committee.</li> <li>7. Draws appropriate graphs and tables.</li> <li>8. Uses software related to statistics and data mining.</li> </ol>		
<b>5.1. Supported EME Course Basic Objective(s):</b>	(Please, mark the supported EME Course basic objective(s) and explain briefly.)		
<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>
1	Self-directed learning	✓	Pursue learning materials outside of a particular course, such as the library or online tutorials, evidence-based resources, websites, software, or educational resources,
2	Collaboration and Productivity / Team work	✓	Performs group work in data collection, cleaning and transformation into knowledge
3	Understanding and using the basic principles of evidence-based scientific approaches	✓	Explains the evidence pyramid, finds its place in the evidence pyramid of any research, explains where to find the most appropriate source, and can make a critical approach to the source found.
4	Expressing him/herself (oral and written)	✓	Can write posters, articles or make oral presentations about the research.
5	Project development implementation and evaluation	✓	Establishes hypotheses about hospital data, prepares ethics committee report and project.
6	Being aware and taking of the social and ethical responsibilities	✓	It extracts the necessary data from big data, transforms it into knowledge and increases the health system outputs.
<b>6.1. Minimum number of participants</b>	2		
<b>6.2. Maximum number of participants</b>	5		
<b>6.3. Year(s) and Semester(s) Offered (* )</b>	<b>Years /Semesters</b>	<b>Fall</b>	<b>Spring</b>
	Fall		
	Second	X	
	Third	X	
<b>7.1. Prerequisite of the course</b>	MED 131		
<b>8.1. Planned Product(s) of the course</b> (At the end of the course students should create a product as a research report, presentation, and so on.)	Manuscript, Poster, Oral presentation in Congress		
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Poster or Manuscript		

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Basic Statistics (Evidence Based Medicine, Data, Sampling distribution)
<b>2</b>	Basic Statistics (Correlation, Regression, Hypothesis testing)
<b>3</b>	Basic Statistics (Big data, Data Mining)
<b>4</b>	Statistics Software's (SPSS, STATA, SAS, NCSS, RapidMiner, Weka, R etc)
<b>5</b>	Hospital Information System and Laboratory Information Systems
<b>6</b>	Hypothesis, Data Selection, Ethics committee application
<b>7</b>	Hypothesis, Data Selection,
<b>8</b>	Data Selection, Data Cleaning
<b>9</b>	Data Cleaning
<b>10</b>	Data Mining Statistics
<b>11</b>	Data Mining Statistics
<b>12</b>	Presentation (Graphics, Tables)
<b>13</b>	Writing the Poster or Manuscript
<b>14</b>	Writing the Poster or Manuscript

<b>1.1. Elective Course Title</b>	How do we learn?														
<b>2.1. Name of course instructor (coordinator)</b>	Melike Şahiner <i>M.D.</i> <i>Assoc. Prof. Department of Medical Education</i>														
<b>2.2. Names of co-instructors (if present)</b>															
<b>3.1. Brief course description:</b>	The aim of the course is to introduce the principles of learning and memory systems. The course will be performed as a student centered active small group activities. During the training period attendees will have the opportunities of working together in small groups to implement and evaluate some tests and tasks on people in order to understand the different ways of learning in man?														
<b>4.1. Course Objectives / Learning Outcomes:</b>	<ul style="list-style-type: none"> <li>• Gain knowledge of fundamentals of learning and memory</li> <li>• Implement and evaluate a learning test/task on people</li> <li>• Perform and evaluate a project based team work activity.</li> </ul>														
<b>5.1. Supported EME Course Basic Objective(s)</b>															
No	EME Course Basic Objectives	✓	Explanation												
1	Self-directed learning	✓	Students are expected to study and gain the essential knowledge about learning and teaching.												
2	Collaboration and Productivity / Team work	✓	Attendees are expected to perform successful team work to create, implement and evaluate a training program.												
3	Understanding and using the basic principles of evidence-based scientific approaches														
4	Expressing him/herself (oral and written)	✓	Attendees are expected to present their sample training program and report the effectiveness.												
5	Project development implementation and evaluation	✓	Attendees are expected to perform their training activity by team work based projects.												
6	Being aware and taking of the social and ethical responsibilities														
<b>6.1. Minimum number of participants</b>	4														
<b>6.2. Maximum number of participants</b>	8														
<b>6.3. Year(s) and Semester(s) Offered (✓)</b>			<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>Fall</td> <td></td> <td></td> </tr> <tr> <td>Second</td> <td>X</td> <td></td> </tr> <tr> <td>Third</td> <td>X</td> <td></td> </tr> </tbody> </table>	Years /Semesters	Fall	Spring	Fall			Second	X		Third	X	
Years /Semesters	Fall	Spring													
Fall															
Second	X														
Third	X														
<b>7.1. Prerequisite of the course</b>	To complete the nervous system and related disorders subject committee														
<b>8.1. Planned Product(s) of the course</b> (This plan will be announced in the form of the course description.)	Students are expected to implement a test/task on learning and memory to people and report on it.														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Overall active attendance 30 pts., Quiz (Basics of learning and memory) 30 pts., Individual and team brief reports 40 pts.														

## 10.1. THE WEEKLY PLAN

<b>Weeks</b>	<b>Activities</b>
<b>1</b>	Introductory lecture, course overview
<b>2</b>	Discussion : Fundamentals of Learning and memory 1
<b>3</b>	Self-Study: Basic Principles of Learning and memory
<b>4</b>	Discussion : Fundamentals of Learning and memory 2
<b>5</b>	Self-Study: Basic Principles of Learning and memory
<b>6</b>	Discussion : Fundamentals of Learning and memory 3
<b>7</b>	Self-Study: Basic Principles of Learning and memory
<b>8</b>	Discussion and assessment (Basics of learning and memory)
<b>9</b>	Project based team work activity period: choosing a learning and memory test/task and implementing in on people
<b>10</b>	Performing the test/task implementation 1
<b>11</b>	Performing the test/task implementation 2
<b>12</b>	Performing the test/task implementation 3
<b>13</b>	Discussion and assessment of the performing period
<b>14</b>	Discussion and evaluation of the training

<b>1.1. Elective Course Title</b>	Cognitive Biases and Noise in Diagnostic Reasoning														
<b>2.1. Name of course instructor (coordinator)</b>	Dr. İlhan Cem Sungur														
<b>2.2. Names of co-instructors (if present)</b>															
<b>3.1. Brief course description:</b>	<p>List of invited speakers:</p> <ul style="list-style-type: none"> <li>• Ahmet Doğan MD, PhD</li> <li>• Harvey V. Fineberg MD, PhD</li> <li>• Abraham Verghese, MD, MACP</li> </ul> <p>Diagnostic reasoning is a complex process. Heuristics and cognitive biases are common confounders during diagnostic reasoning. Increasing awareness and methods to overcome these biases may prevent medical errors in clinical practice.</p>														
<b>4.1. Course Objectives / Learning Outcomes:</b>	Definition and description of common cognitive biases and noise as confounders of diagnostic reasoning. Understanding of strategies to avoid common cognitive biases during diagnostic reasoning.														
<b>5.1. Supported EME Course Basic Objective(s)</b> (Please, mark the supported EME Course basic objective(s) and explain briefly.)															
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>											
	1	Self-directed learning	X												
	2	Collaboration and Productivity / Team work	X												
	3	Understanding and using the basic principles of evidence-based scientific approaches													
	4	Expressing him/herself (oral and written)	X												
	5	Project development implementation and evaluation													
	6	Being aware and taking of the social and ethical responsibilities	X												
<b>6.1. Minimum number of participants</b>	10														
<b>6.2. Maximum number of participants</b>	20														
<b>6.3. Year(s) and Semester(s) Offered (✓)</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>Fall</td> <td></td> <td></td> </tr> <tr> <td>Second</td> <td></td> <td></td> </tr> <tr> <td>Third</td> <td>X</td> <td></td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	Fall			Second			Third	X	
Years /Semesters	Fall	Spring													
Fall															
Second															
Third	X														
<b>7.1. Prerequisite of the course</b>	This elective will be delivered in Turkish. (Co-instructors will deliver their lectures in English)														
<b>8.1. Planned Product(s) of the course</b> (At the end of the course students should create a product as a research report, presentation, and so on.)	Each student will be assigned a case who experienced a medical error because of multiple cognitive biases. The students will be asked to define these biases and explain their contribution to the diagnostic error.														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	The students will be evaluated by their active participation (%50), detailed discussion of their cases (%30) and brief PowerPoint presentation of their analysis (%20).														

## 10.1. THE WEEKLY PLAN

<b>Weeks</b>	<b>Activities</b>
<b>1</b>	History and evolution of clinical diagnosis
<b>2</b>	Semantic qualifiers and differential diagnosis
<b>3</b>	Introduction to diagnostic errors
<b>4</b>	System based diagnostic errors and their solutions
<b>5</b>	Cognitive biases and noise during diagnostic reasoning
<b>6</b>	Strategies to prevent biases and noise during diagnostic reasoning
<b>7</b>	Most common cognitive biases that may lead to diagnostic errors
<b>8</b>	Most common cognitive biases that may lead to diagnostic errors
<b>9</b>	Discussion of case number 1
<b>10</b>	Discussion of case number 2
<b>11</b>	Discussion of case number 3
<b>12</b>	Discussion of case number 4
<b>13</b>	Discussion of case number 5
<b>14</b>	Brief ppt presentation of each case by students

<b>1.1. Elective Course Title</b>	Public Speaking																														
<b>2.1. Name of course instructor (coordinator)</b>	Levent Altıntaş, <i>M.D. Ph.D.</i> <i>Assoc. Prof. Department of Medical Education</i>																														
<b>2.2. Names of co-instructors</b>	Melike Şahiner, <i>M.D.</i> <i>Assoc. Prof. Department of Medical Education</i>																														
<b>3.1. Brief course description</b>	The aim of this course is to introduce the basic principles of effective speech making. The course will be performed as a student centered active small group activities. During the training period attendees will have the opportunities of working together in small groups to create, perform and evaluate their speeches.																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Gain knowledge of historical and cultural background of speech making.</li> <li>• Design, perform and evaluate an effective speech.</li> <li>• Understand the nature and how to handle the speech anxiety problem.</li> <li>• Improve their speech making skills and, perform an effective speech.</li> <li>• Understand the principles of critical analysis and standards of speech criticism</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective(s)</b>	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>Attendees are expected to study and gain the essential knowledge about effective speech making.</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Attendees are expected to perform successful team work to create, perform and evaluate the effective speeches.</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td>✓</td> <td></td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Attendees are expected to perform their speeches.</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Attendees are expected to develop and perform their speeches as a team work based project.</td> </tr> <tr> <td>6</td> <td>Being aware and taking of the social and ethical responsibilities</td> <td>✓</td> <td>Attendees are expected to be aware of their social ethical responsibilities when developing and performing their speech.</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	Attendees are expected to study and gain the essential knowledge about effective speech making.	2	Collaboration and Productivity / Team work	✓	Attendees are expected to perform successful team work to create, perform and evaluate the effective speeches.	3	Understanding and using the basic principles of evidence-based scientific approaches	✓		4	Expressing him/herself (oral and written)	✓	Attendees are expected to perform their speeches.	5	Project development implementation and evaluation	✓	Attendees are expected to develop and perform their speeches as a team work based project.	6	Being aware and taking of the social and ethical responsibilities	✓	Attendees are expected to be aware of their social ethical responsibilities when developing and performing their speech.
No	EME Course Basic Objectives	✓	Explanation																												
1	Self-directed learning	✓	Attendees are expected to study and gain the essential knowledge about effective speech making.																												
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3	Understanding and using the basic principles of evidence-based scientific approaches	✓																													
4	Expressing him/herself (oral and written)	✓	Attendees are expected to perform their speeches.																												
5	Project development implementation and evaluation	✓	Attendees are expected to develop and perform their speeches as a team work based project.																												
6	Being aware and taking of the social and ethical responsibilities	✓	Attendees are expected to be aware of their social ethical responsibilities when developing and performing their speech.																												
<b>6.1. Minimum number of participants</b>	6																														
<b>6.2. Maximum number of participants</b>	12																														
<b>6.3. Year(s) and Semester(s) Offered (Please, mark ✓)</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>First</td> <td></td> <td>✓</td> </tr> <tr> <td>Second</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Third</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	First		✓	Second	✓	✓	Third	✓	✓																
Years /Semesters	Fall	Spring																													
First		✓																													
Second	✓	✓																													
Third	✓	✓																													
<b>7.1. Prerequisite of the course</b>	None																														
<b>8.1. Planned Product(s) of the course</b>	Participants will create and perform some effective speech activity and report on it.																														
<b>9.1. Assessment and evaluation plan</b> (This plan will be announced in the form of the course description.)	Overall active attendance 20 pts. Quiz (Basic principles of speech making) 20 pts. Individual and team speech performance 30 pts. Group study and speech criticism performance 30 pts.																														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture, course overview
<b>2</b>	<b>Discussion:</b> Fundamentals of Speech making Historical and Cultural back ground of speechmaking What are the resources for better speech and how to use them.
<b>3</b>	<b>Self-Study</b> Basic Principles of Speechmaking Main principles of speech making Identifying the general purpose of speech and applying to the topic and situations Investigating the subject and audience analysis Developing speech materials.
<b>4</b>	Discussion and assessment (Basic principles of speech making)
<b>5</b>	Defining speech projects and project teams; introduction to team work activities
<b>6</b>	<b>Group Study:</b> Creating speech projects
<b>7</b>	<b>Group Study:</b> Creating speech projects.
<b>8</b>	Discussion and assessment of the group study period
<b>9</b>	<b>Discussion:</b> Evaluating a speech making Principles of critical speech analysis Standards of speech criticism.
<b>10</b>	Performing the speeches 1
<b>11</b>	Performing the speeches 2
<b>12</b>	Performing the speeches 3
<b>13</b>	Discussion and assessment of the performing period
<b>14</b>	Discussion and evaluation of the training



<b>1.1. Elective Course Title</b>	Regenerative Medicine																														
<b>2.1. Name of course instructor (coordinator)</b>	Deniz Yücel, <i>Asst. Prof. Histology and Embryology</i> Beste Kınıkoğlu Erol, <i>Assoc. Prof. Medical Biology</i>																														
<b>2.2. Names of co-instructors (if present)</b>																															
<b>3.1. Brief course description:</b>	The aim of the course is to introduce the basic principles of regenerative medicine, stem cells and tissue engineering and to discuss ethical and regulatory issues in regenerative medicine. Attendees will have the opportunities of working together in small groups to do literature survey, design and write a research project proposal and present their team work activity.																														
<b>4.1. Course Objectives / Learning Outcomes:</b>	<ul style="list-style-type: none"> <li>• Gain knowledge of principles of regenerative medicine, stem cells and tissue engineering</li> <li>• Design, write and present a research project proposal.</li> <li>• Perform a project based team work activity.</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective(s)</b>	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>Students are expected to study and gain the essential knowledge about regenerative medicine, tissue engineering and stem cells.</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Attendees are expected to perform successful team work to do literature search and to design a research project proposal and present it.</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td>✓</td> <td>Understanding and using the basic principles of basic scientific, clinical translational approaches</td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Attendees are expected to present their literature survey and their research project proposal</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Attendees are expected to design a project and write a proposal.</td> </tr> <tr> <td>6</td> <td>Being aware of and taking their social and ethical responsibilities</td> <td>✓</td> <td>Attendees are expected to be aware of ethical issues regarding regenerative medicine.</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	Students are expected to study and gain the essential knowledge about regenerative medicine, tissue engineering and stem cells.	2	Collaboration and Productivity / Team work	✓	Attendees are expected to perform successful team work to do literature search and to design a research project proposal and present it.	3	Understanding and using the basic principles of evidence-based scientific approaches	✓	Understanding and using the basic principles of basic scientific, clinical translational approaches	4	Expressing him/herself (oral and written)	✓	Attendees are expected to present their literature survey and their research project proposal	5	Project development implementation and evaluation	✓	Attendees are expected to design a project and write a proposal.	6	Being aware of and taking their social and ethical responsibilities	✓	Attendees are expected to be aware of ethical issues regarding regenerative medicine.
No	EME Course Basic Objectives	✓	Explanation																												
1	Self-directed learning	✓	Students are expected to study and gain the essential knowledge about regenerative medicine, tissue engineering and stem cells.																												
2	Collaboration and Productivity / Team work	✓	Attendees are expected to perform successful team work to do literature search and to design a research project proposal and present it.																												
3	Understanding and using the basic principles of evidence-based scientific approaches	✓	Understanding and using the basic principles of basic scientific, clinical translational approaches																												
4	Expressing him/herself (oral and written)	✓	Attendees are expected to present their literature survey and their research project proposal																												
5	Project development implementation and evaluation	✓	Attendees are expected to design a project and write a proposal.																												
6	Being aware of and taking their social and ethical responsibilities	✓	Attendees are expected to be aware of ethical issues regarding regenerative medicine.																												
<b>6.1. Minimum number of participants</b>	Eight (8)																														
<b>6.2. Maximum number of participants</b>	Twenty (20)																														
<b>6.3. Year(s) and Semester(s) Offered ((Please, mark ✓))</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>First</td> <td></td> <td>✓</td> </tr> <tr> <td>Second</td> <td></td> <td>✓</td> </tr> <tr> <td>Third</td> <td></td> <td>✓</td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	First		✓	Second		✓	Third		✓																
Years /Semesters	Fall	Spring																													
First		✓																													
Second		✓																													
Third		✓																													
<b>7.1. Prerequisite of the Course</b>	None																														
<b>8.1. Planned Product(s) of the Course</b> (At the end of the course students should create a product as a research report, presentation, and so on.)	Students are expected to perform a literature survey on a specific topic, write a report on it, design a follow-up research project, and present their study.																														
<b>9.1. Assessment and Evaluation Plan</b> (At the end of the course students should create a product as a research report, presentation, and so on.)	Overall active attendance 10 pts. Midterm exam (Basics of regenerative medicine) 30 pts. Individual and team presentation 30 pts. Individual and team reports 30 pts.																														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture, course overview
<b>2</b>	Lecture : Principles of regenerative medicine
<b>3</b>	Lecture : Stem cells used in regenerative medicine
<b>4</b>	Lecture : Biomaterials used in regenerative medicine
<b>5</b>	Lecture : Tissue engineering approaches in regenerative medicine
<b>6</b>	Lecture : Ethical issues in regenerative medicine
<b>7</b>	Midterm Examination
<b>8</b>	Implementing skills for literature survey and project proposal writing, and creating project teams
<b>9</b>	Performing the literature survey and research project proposal
<b>10</b>	Performing the literature survey and research project proposal
<b>11</b>	Performing the literature survey and research project proposal 1
<b>12</b>	Performing the literature survey and research project proposal 2
<b>13</b>	Performing the literature survey and research project proposal 3
<b>14</b>	Performing the literature survey and research project proposal 4

<b>1.1. Elective Course Title</b>	Myths about Medicinal Plants														
<b>2.1. Name of course instructor (coordinator)</b>	Melike Şahiner, M.D. Assoc. Prof. Department of Medical Education														
<b>2.2. Names of co-instructors (if present)</b>	Levent Altıntaş, M.D. Ph.D. Assoc. Prof. Department of Medical Education														
<b>3.1. Brief course description:</b>	The aim of the course is to gain knowledge about the medicinal plant. The course will be performed as a student centered active small group activities. During the training period attendees will have the opportunities of working together in small groups for to gather knowledge about medicinal plants and their usage.														
<b>4.1. Course Objectives / Learning Outcomes:</b>	<ul style="list-style-type: none"> <li>Gain knowledge about fundamentals of medicinal plants</li> <li>Discuss herbal and complementary medicine</li> </ul>														
<b>5.1. Supported EME Course Basic Objective(s)</b>	(Please, mark the supported EME Course basic objective(s) and explain briefly.)														
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>											
	1	Self-directed learning	✓	Students are expected to study and gain the essential knowledge about learning and teaching.											
	2	Collaboration and Productivity / Team work	✓	Attendees are expected to perform successful team work to create, implement and evaluate a training program.											
	3	Understanding and using the basic principles of evidence-based scientific approaches													
	4	Expressing him/herself (oral and written)	✓	Attendees are expected to present their sample training program and report the effectiveness.											
	5	Project development implementation and evaluation	✓	Attendees are expected to perform their training activity by team work based projects.											
	6	Being aware of and taking their social and ethical responsibilities													
<b>6.1. Minimum number of participants</b>	4														
<b>6.2. Maximum number of participants</b>	12 (4 students from each year)														
<b>6.3. Year(s) and Semester(s) Offered (✓)</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>First</td> <td></td> <td>✓</td> </tr> <tr> <td>Second</td> <td></td> <td>✓</td> </tr> <tr> <td>Third</td> <td></td> <td>✓</td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	First		✓	Second		✓	Third		✓
Years /Semesters	Fall	Spring													
First		✓													
Second		✓													
Third		✓													
<b>7.1. Prerequisite of the course</b>	None														
<b>8.1. Planned Product(s) of the course</b>	Students are expected to implement a presentation about the usage of medicinal plants														
<b>9.1. Assessment and evaluation plan</b>	Overall active attendance 40 pts. Team brief reports 20 pts. Team Presentations 40 pts														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introductory lecture, course overview
<b>2</b>	Discussion: Fundamentals of Medicinal Plants
<b>3</b>	Discussion: Fundamentals of Medicinal Plants
<b>4</b>	Discussion: Fundamentals of Medicinal Plants
<b>5</b>	Self-Study: gathering deep knowledge about the selected herb, visiting a center of herbal plant nursery and preparing a presentation
<b>6</b>	Self-Study: gathering deep knowledge about the selected herb, visiting a center of herbal plant nursery and preparing a presentation
<b>7</b>	Self-Study: gathering deep knowledge about the selected herb, visiting a center of herbal plant nursery and preparing a presentation
<b>8</b>	Group Presentation
<b>9</b>	Group Presentation
<b>10</b>	Group Presentation
<b>11</b>	Group Presentation
<b>12</b>	Group Presentation
<b>13</b>	Discussion: What did we learn?
<b>14</b>	Evaluation

<b>1.1. Elective Course Title</b>	History of Epidemics and Pandemics: Their Impacts on Society and Medicine														
<b>2.1. Name of course instructor (coordinator)</b>	Fatih Artvinli <i>Ph.D.</i> <i>Assoc. Prof. History of Medicine and Ethics</i>														
<b>2.2. Names of co-instructors</b>															
<b>3.1. Brief course description</b>	The aim of the course is to introduce the history of epidemics and pandemics within the context of social and medical developments. The course will be performed as mostly lectures depended on readings and discussions.														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Gain knowledge and awareness of historical perception about epidemics and its transformative effects on societies and medicine.</li> <li>• To learn and discuss the fundamental issues of epidemics in history.</li> <li>• Acquire an understanding of the processes of historical research</li> <li>• Develop critical thinking skills</li> <li>• Expand historical body of knowledge</li> <li>• Learn to apply this skill to the world around us</li> </ul>														
<b>5.1. Supported EME Course Basic Objective(s)</b>															
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>											
	1	Self-directed learning	✓	Students are expected to read the articles before the class.											
	2	Collaboration and Productivity / Team work													
	3	Understanding and using the basic principles of evidence-based scientific approaches	✓	Students are expected to use historical analyzing approaching to epidemics.											
	4	Expressing him/herself (oral and written)	✓	Students are expected to present their ideas, participate to discussion and write personal paper at the end of the term.											
	5	Project development implementation and evaluation	✓	Students are expected to write a paper with their understanding of epidemics, society and medicine within its historical context.											
	6	Being aware and taking of the social and ethical responsibilities	✓	Students are expected to gain an awareness about ethical issues emerged in epidemics, such as inequality, discrimination, right to health, vulnerability etc.											
<b>6.1. Minimum number of participants</b>	10														
<b>6.2. Maximum number of participants</b>	25														
<b>6.3. Year(s) and Semester(s) Offered (Please, mark ✓)</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>First</td> <td></td> <td>✓</td> </tr> <tr> <td>Second</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Third</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	First		✓	Second	✓	✓	Third	✓	✓
Years /Semesters	Fall	Spring													
First		✓													
Second	✓	✓													
Third	✓	✓													
<b>7.1. Prerequisite of the course</b>	None														
<b>8.1. Planned Product(s) of the course</b>	Students are expected to write a term paper.														
<b>9.1. Assessment and evaluation plan</b>	Overall active attendance 10 pts., Individual paper 90 pts.														

## 10.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Introduction: What is history and historiography
<b>2</b>	Social history of epidemics: sources and theories
<b>3</b>	Thinking about disease, epidemic and pandemic
<b>4</b>	The ancient or the earliest epidemics: Plague of Athens and Justinian Plague
<b>5</b>	Medieval world: theories of disease, medicine and contagion
<b>6</b>	The Black Death-I: A Plague of plagues
<b>7</b>	The Black Death-II: Natural human disaster and effects on societies
<b>8</b>	Miasma theory, anticontagionism and quarantines
<b>9</b>	New world: Smallpoxes and colonization
<b>10</b>	Malaria, tropical diseases and the world
<b>11</b>	Cholera, empires and new medicine
<b>12</b>	War and influenza: 1918-1919 Influenza pandemic
<b>13</b>	New pandemicS: HIV-AIDS, Ebola, Zika etc.
<b>14</b>	COVID-19: Historical Understanding of a pandemic

<b>1.1. Elective Course Title</b>	Medical Technologies			
<b>2.1. Name of course instructor (coordinator)</b>	Ata Akin, <i>Prof.</i> , Department of Medical Engineering			
<b>2.2. Names of co-instructors (if present)</b>				
<b>3.1. Brief course description:</b>	This is a course designed to introduce the basic concepts of biomedical technologies currently in use in hospitals and healthcare facilities. The topics include a systems approach to biomedical instrumentation, medical imaging systems (X-Ray, computed tomography, magnetic resonance imaging, ultrasound and PET imaging), rehabilitation engineering and clinical engineering. The course will end with a discussion on the ethics of the use of biomedical technologies.			
<b>4.1. Course Objectives / Learning Outcomes:</b>	<ul style="list-style-type: none"> <li>• Acquire basic knowledge on biomedical instruments, in vitro diagnostic systems</li> <li>• Acquire an appreciation on the complexity of human anatomy and physiology</li> <li>• Develop an understanding of the issues concerning medical imaging modalities</li> <li>• Acquire knowledge on the principles and tools of Technologies currently in use in healthcare delivery systems</li> <li>• Prepare a Project on an innovative medical technology</li> </ul>			
<b>5.1. Supported EME Course Basic Objective(s)</b>				
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>
	1	Self-directed learning	✓	Students are expected to perform literature surveys, consult experts in understanding the pathophysiology of the disease, origins of the clinical problem and the state-of-art of technology in treating or diagnosing this problem
	2	Collaboration and Productivity / Team work	✓	Students are expected to work in teams in creating their solutions and presenting their idea
	3	Understanding and using the basic principles of evidence-based scientific approaches		
	4	Expressing him/herself (oral and written)	✓	Students are expected to present their innovative solution as an oral presentation and a written report
	5	Project development implementation and evaluation	✓	Students are expected to work in teams in creating their innovative solutions to a clinical problem. They will be informed about the processes that involve project development
	6	Being aware of and taking their social and ethical responsibilities	✓	The solutions proposed should abide with ethical standards and medical regulations. Students are expected to be aware of the social and ethical implications of their solutions
<b>6.1. Minimum number of participants</b>	8			
<b>6.2. Maximum number of participants</b>	20			
<b>6.3. Year(s) and Semester(s) Offered ((Please, mark ✓)</b>	<b>Years /Semesters</b>	<b>Fall</b>	<b>Spring</b>	
	<b>First</b>		✓	
	<b>Second</b>		✓	
	<b>Third</b>		✓	
<b>7.1. Prerequisite of the course</b>	None			
<b>8.1. Planned Product(s) of the course</b>	Students are expected to present their work and submit a written report on their solution			
<b>9.1. Assessment and evaluation plan</b>	Attendance, midterm and final exams, assignments, final presentation and report, course assessment			

## 9.1. THE WEEKLY PLAN

Weeks	Activities
<b>1</b>	Medical Instrumentation: definitions and classification
<b>2</b>	Medical Instrumentation: generalized block diagram of systems
<b>3</b>	Medical Sensors: electrical and physical activity sensors
<b>4</b>	Medical Sensors: chemical activity sensors, biosensors
<b>5</b>	Medical Instrumentation: ECG, EEG, EMG
<b>6</b>	Medical Instrumentation: In Vitro Diagnostic & Characterization Systems
<b>7</b>	Midterm Exam
<b>8</b>	Medical Imaging Technologies: quality issues, X-Ray Imaging
<b>9</b>	Medical Imaging Technologies: Radiation Imaging, endoscopy
<b>10</b>	Medical Imaging Technologies: magnetic resonance imaging
<b>11</b>	Medical Imaging Technologies: Ultrasound
<b>12</b>	Biomaterials
<b>13</b>	Rehabilitation Engineering
<b>14</b>	Medical ethics/Project Presentations



<b>1.1. Elective Course Title</b>	Artificial Intelligence Applications in Ophthalmology														
<b>2.1. Name of course instructor (coordinator)</b>	Ali Riza Cenk Celebi, <i>M. D. Assoc. Prof.</i>														
<b>2.2. Names of co-instructors (if present)</b>															
<b>3.1. Brief course description:</b>	In this course students are expected to present a project in groups of 2-3 members; students were asked to select a health dataset from Kaggle, train it in the Google cloud platform, and use this model to predict on new data. They were then asked to share their work, how they trained the datasets and models.														
<b>4.1. Course Objectives / Learning Outcomes:</b>	Gain knowledge of basic principles of artificial intelligence with its applications used in ophthalmology Design, prepare and present a hands-on research project with the use of Google Cloud Platform and Kaggle Datasets. Students are expected to perform a team-work based activity														
<b>5.1. Supported EME Course Basic Objective(s)</b>															
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b>	<b>Explanation</b>											
	1	Self-directed learning	✓	Students can able to learn how to search in databases											
	2	Collaboration and Productivity / Team work	✓	Student have a chance to build up their project in a team work manner											
	3	Understanding and using the basic principles of evidence-based scientific approaches		Students can able to understand how to represent data in a scientific way											
	4	Expressing him/herself (oral and written)	✓	Students are expected to present their team work											
	5	Project development implementation and evaluation	✓	Students can able to develop and evaluate their project during the course											
	6	Being aware of and taking their social and ethical responsibilities													
<b>6.1. Minimum number of participants</b>	4														
<b>6.2. Maximum number of participants</b>	12														
<b>6.3. Year(s) and Semester(s) Offered ((Please, mark ✓))</b>	<table border="1"> <thead> <tr> <th>Years /Semesters</th> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>First</td> <td></td> <td>✓</td> </tr> <tr> <td>Second</td> <td></td> <td>✓</td> </tr> <tr> <td>Third</td> <td></td> <td></td> </tr> </tbody> </table>			Years /Semesters	Fall	Spring	First		✓	Second		✓	Third		
Years /Semesters	Fall	Spring													
First		✓													
Second		✓													
Third															
<b>7.1. Prerequisite of the course</b>	Basic Knowledge of Computer Literacy and Programming with an Interest towards the Concept of Artificial Intelligence and Have an Ability of Computer Use. Student's must have their own laptop's and PC's														
<b>8.1. Planned Product(s) of the course</b>	At the end of the course team members are expected to present their project														
<b>9.1. Assessment and evaluation plan</b>	This course is assessed with the end product of research presentation. This presentation was evaluated with 80% of the total grade, the remaining of the grade was assessed with overall attendance														

## 10.1. THE WEEKLY PLAN

<b>Weeks</b>	<b>Activities</b>
<b>1</b>	Course Description and Expectations From Students (Introduction of the course)
<b>2</b>	Basic Anatomical Structures of Eye
<b>3</b>	Importance of Ophthalmic Imaging and Types of Imaging Sources
<b>4</b>	Artificial Intelligence Applications in Ophthalmology
<b>5</b>	Basics of Google Cloud Platform
<b>6</b>	Basics of Kaggle Datasets
<b>7</b>	Presentation of a Sample Project
<b>8</b>	Project / Team Work Discussion
<b>9</b>	Project / Team Work Discussion
<b>10</b>	Project / Team Work Discussion
<b>11</b>	Project / Team Work Discussion
<b>12</b>	Project / Team Work Discussion
<b>13</b>	Student's Presentation 1
<b>14</b>	Student's Presentation 2

<b>1.1. Elective Course Title</b>	Bioethics and Movies		
<b>2.1. Name of course instructor (coordinator)</b>	Yeşim Işıl Ulman, <i>Ph.D. Prof.</i> <i>Department of the History of Medicine and Ethics</i>		
<b>2.2. Names of co-instructors (if present)</b>			
<b>3.1. Brief course description</b>	<p>This course aims to enhance ethical reasoning skills through movies Robots, farm animals, human clones, disabled individuals, and genetically ideal persons star in a collection of movie screenplays that may attract attention to university students more highly than a classical teaching method. This is an innovative way in teaching ethics and to raise ethical sensitivity through this tool.</p> <p>Movies are useful medium to narrate ethical issues in science and medicine, and to detect main issues of bioethics in a narrative backdrop. As put by Miksanek, "Films can provide vivid and emotionally engaging illustrations of philosophical issues" that may serve the students to raise awareness to detect the ethical dilemma in a particular situation or case and to develop ethical reasoning skills through the plot analysis.</p> <p>Some of the examples to these movies are as follows: I, Robot; Soylent Green; Wit; Talk to Her, The Sea Inside, and My Life Without Me; Ikiru by director Akira Kurosawa; Gattaca; Million Dollar Baby and so on.</p> <p><b>Suggested Reading:</b></p> <ul style="list-style-type: none"> <li>• Jan Helge Solbakk, Movements and Movies in Bioethics: The Use of Theatre and Cinema in Teaching Bioethics, In: Bioethics Education in a Global Perspective, edited by Henk ten Have, 2015: 203-221.</li> <li>• James Bowman, Bioethics at the Movies, JSTOR; Centre for the Study of Technology and Society, 2005, 8: 93-100.</li> <li>• Silviya Aleksandrova-Yankulovska, an innovative approach to teaching bioethics in management of healthcare, Nursing Ethics, 2016, 23(2): 167–175.</li> <li>• Tony Miksanek, Bioethics at the Movies. JAMA. 2009;301(11):1180–1181. doi:10.1001/jama.2009.329</li> </ul>		
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• To utilize self-directed learning hour by turning the movie watching into an enjoyable educative practice</li> <li>• To detect an ethical dilemma at a given case, namely the film scenario.</li> <li>• To develop ethical reasoning skills by handling the plot for class discussion</li> <li>• To learn from others both by working in couples before the class and by initiating class discussion.</li> <li>• To raise awareness about the different perspectives and viewpoints of peers in the Class and with her/his mate.</li> <li>• To develop critical thinking and bioethical insight.</li> </ul>		
<b>5.1. Supported EME Course Basic Objective(s)</b>			
	<b>No</b>	<b>EME Course Basic Objectives</b>	<b>✓</b> <b>Explanation</b>
	1	Self-directed learning	✓ Students will be able to benefit leisure to watch movies autonomously picked from a particular list of movies.
	2	Collaboration and Productivity / Team work	✓ Students will work as couples at every phase of the course, watching, discussing, deliberating, reasoning and preparing a class presentation.
	3	Understanding and using the basic principles of evidence-based scientific approaches	✓ Students will be provided with a methodology of ethical analysis to carry out handling with the film narrative.
	4	Expressing him/herself (oral and written)	✓ Students will have the opportunity to present & discuss their work in the Class, and write a report about it.
	5	Project development implementation and evaluation	✓ Students will be able to and enjoy how daily life conflicts harbor ethical dilemmas be means of a movie screenplay.
	6	Being aware and taking of the social and ethical responsibilities	✓ Students will be able to develop a moral and social insight into the dilemmas, carry this skill on real world conflicts and develop an ethical approach to resolve them.
<b>6.1. Minimum number of participants</b>	<b>Eight (8)</b>		
<b>6.2. Maximum number of participants</b>	<b>Ten (10)</b>		

<b>6.3. Year(s) and Semester(s) Offered (Please, mark ✓)</b>	<b>Years /Semesters</b>	<b>Fall</b>	<b>Spring</b>
	<b>First</b>		
	<b>Second</b>		✓
	<b>Third</b>		✓
<b>7.1. Prerequisite of the course</b>	Second and Third Year Students		
<b>8.1. Planned Product(s) of the course</b>	At the end of the course students should have skilled in detecting an ethical dilemma at a specific situation i.e. in a film scenario, and in navigating an ethical analysis.		
<b>9.1. Assessment and evaluation plan</b>	Class presentation and short report conducted by clearly written task assignment.		

<b>10.1. THE WEEKLY PLAN (2020-2021 Spring, Online, Virtual Class)</b>	
<b>Weeks</b>	<b>Activities</b>
<b>1</b>	Short presentation of introduction and Aims,
<b>2</b>	Students are encouraged to determine the content and dynamic of by brainstorming, freedom to choose
<b>3</b>	
<b>4</b>	Grup 1 Class Presentation and Discussion
<b>5</b>	
<b>6</b>	Grup 2 Class Presentation and Discussion
<b>7</b>	
<b>8</b>	Grup 3 Class Presentation and Discussion
<b>9</b>	
<b>10</b>	Grup 4 Class Presentation and Discussion
<b>11</b>	
<b>12</b>	Grup 5 Class Presentation and Discussion (Optional if the Class is composed of 8 people)
<b>13</b>	
<b>14</b>	Wrap up, Feedback and concluding remarks (Paper submission deadline)

<b>1.1. Elective Course Title</b>	Personalized Medicine																														
<b>2.1. Name of course instructor (coordinator)</b>	O.Uğur Sezerman, <i>Prof. Biostatistics and Medical Informatics Department</i>																														
<b>2.2. Names of co-instructors (if present)</b>																															
<b>3.1. Brief course description</b>	Aim of the course is to introduce concepts related to Personalized Medicine and use of 'omics' technologies including transcriptomics, next-generation sequencing, proteomics, metabolomics and epigenetics to determine individual's disease development mechanism. The course will cover different bioinformatics methods that are used in personalized medicine including integration of different 'omics' data and pathway analysis approaches. There will be a course project in which each group will be given real patient 'omics' data for which they have to come up with diagnostics and propose a treatment method.																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Gain knowledge of 'omics' technologies.</li> <li>• Gain Knowledge on integration of 'omics' data.</li> <li>• Gain Knowledge on pathway analysis.</li> <li>• Gain Knowledge on pathway based personalized medicine decision making.</li> <li>• Perform and evaluate real patient data analysis.</li> <li>• Improve their analytic and decision making skills for diagnostics and treatment.</li> <li>• Understand the principles of Personalized Medicine</li> </ul>																														
<b>5.1. Supported EME Course Basic Objective(s)</b> (Please, mark the supported EME Course basic objective(s) and explain briefly.)	<table border="1"> <thead> <tr> <th>No</th> <th>EME Course Basic Objectives</th> <th>✓</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Self-directed learning</td> <td>✓</td> <td>Attendances are expected to study and gain the essential knowledge about omics data analysis</td> </tr> <tr> <td>2</td> <td>Collaboration and Productivity / Team work</td> <td>✓</td> <td>Attendances are expected to perform successful team work to perform and evaluate 'omics' data</td> </tr> <tr> <td>3</td> <td>Understanding and using the basic principles of evidence-based scientific approaches</td> <td></td> <td>Attendances are expected to study statistical and machine learning based analysis methods</td> </tr> <tr> <td>4</td> <td>Expressing him/herself (oral and written)</td> <td>✓</td> <td>Attendances are expected to present their findings.</td> </tr> <tr> <td>5</td> <td>Project development implementation and evaluation</td> <td>✓</td> <td>Attendances are expected to develop and perform Their report as a team work based project.</td> </tr> <tr> <td>6</td> <td>Being aware of and taking their social and ethical responsibilities</td> <td></td> <td>Attendances are expected to be aware of their social ethical responsibilities when performing analysis of real patient data.</td> </tr> </tbody> </table>			No	EME Course Basic Objectives	✓	Explanation	1	Self-directed learning	✓	Attendances are expected to study and gain the essential knowledge about omics data analysis	2	Collaboration and Productivity / Team work	✓	Attendances are expected to perform successful team work to perform and evaluate 'omics' data	3	Understanding and using the basic principles of evidence-based scientific approaches		Attendances are expected to study statistical and machine learning based analysis methods	4	Expressing him/herself (oral and written)	✓	Attendances are expected to present their findings.	5	Project development implementation and evaluation	✓	Attendances are expected to develop and perform Their report as a team work based project.	6	Being aware of and taking their social and ethical responsibilities		Attendances are expected to be aware of their social ethical responsibilities when performing analysis of real patient data.
No	EME Course Basic Objectives	✓	Explanation																												
1	Self-directed learning	✓	Attendances are expected to study and gain the essential knowledge about omics data analysis																												
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3	Understanding and using the basic principles of evidence-based scientific approaches		Attendances are expected to study statistical and machine learning based analysis methods																												
4	Expressing him/herself (oral and written)	✓	Attendances are expected to present their findings.																												
5	Project development implementation and evaluation	✓	Attendances are expected to develop and perform Their report as a team work based project.																												
6	Being aware of and taking their social and ethical responsibilities		Attendances are expected to be aware of their social ethical responsibilities when performing analysis of real patient data.																												
<b>6.1. Minimum number of participants</b>	10																														
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Years /Semesters	Fall	Spring																													
First																															
Second		✓																													
Third		✓																													

<b>7.1. Prerequisite of the course</b>	
<b>8.1. Planned Product(s) of the course</b>	Attendances are expected to perform bioinformatics analysis on omics data and report on it.
<b>9.1. Assessment and evaluation plan</b>	2 Midterms 20 pts each. 1 Final exam 35 pts. Term Project 25 pts.

<b>10.1. THE WEEKLY PLAN</b>	
<b>Weeks</b>	<b>Activities</b>
<b>1</b>	Introductory lecture, course overview and Review of Omics methodologies
<b>2</b>	Lecture: basic Concepts in Personalized Medicine+ Comp. Lab. 1
<b>3</b>	Lecture: Integration of omics data+ Comp. Lab. 1
<b>4</b>	Lecture: Integration of omics data+ Comp. Lab. 2
<b>5</b>	Lecture: Biological Networks
<b>6</b>	Lecture: Functional Enrichment of Omics Data + Comp. Lab 1
<b>7</b>	Lecture: Functional Enrichment of Omics Data + Comp. Lab 2
<b>8</b>	Lecture: Personalized Diagnostics 1
<b>9</b>	Lecture: Personalized Diagnostics 2
<b>10</b>	Lecture: Drug resistance mechanisms
<b>11</b>	Lecture: Disease Aetiology and Personalized Treatment+ Comp. Lab 1
<b>12</b>	Lecture: Disease Aetiology and Personalized Treatment+ Comp. Lab 2
<b>13</b>	Presentation of the Term Projects
<b>14</b>	Discussion and Assessment of the Term projects

<b>1.1. Elective Course Title</b>	Diagnostic Reasoning																														
<b>2.1. Name of course instructor (coordinator)</b>	I Cem Sungur <i>M.D. Professor of Internal Medicine, Nephrologist</i>																														
<b>2.2. Names of co-instructors (if present)</b>																															
<b>3.1. Brief course description</b>	<p>The diagnostic reasoning process, which requires biomedical knowledge, knowledge about problem-solving strategies, and knowledge about reasons for diagnostic procedures, is a key element of physicians' daily practice but difficult to assess. Diagnostic reasoning is a core element of medical practice.</p> <p>The goal of the curriculum is to formally introduce medical students at Acibadem Mehmet Ali Aydınlar University Medical School to current concepts in diagnostic reasoning, diagnostic error, noise and to provide an opportunity to practice diagnostic-problem solving in a safe, learner-centered environment.</p> <p>List of guest speakers: TBA</p>																														
<b>4.1. Course Objectives / Learning Outcomes</b>	<p><i>By the end of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1) Define essential concepts in diagnostic reasoning</li> <li>2) Describe causes of diagnostic error and noise in clinical decision making</li> <li>3) Identify categories of cognitive biases and methods of debiasing</li> <li>4) Discuss the diagnostic uncertainty in clinical decision making</li> <li>5) The core concepts of artificial intelligence and application of AI in clinical decision making</li> <li>6) Case-based learning by performing cognitive autopsy in predefined cases</li> </ol>																														
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<b>6.1. Minimum number of participants</b>	10																														
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<b>7.1. Prerequisite of the course</b>	The course will be introduced in Turkish, some of the lectures by guest speakers may be delivered in English.
<b>8.1. Planned Product(s) of the course</b>	Each participant will be provided a case-study for diagnostic reasoning and will be asked to present a diagnostic approach and list potential diagnostic errors for this case. This presentation will be supplemented with a brief written discussion about solutions on preventing potential diagnostic errors for this particular case.
<b>9.1. Assessment and evaluation plan</b>	Overall active participation 60 points Successful problem-solving presentation (cognitive autopsy) 40 points

<b>10.1. THE WEEKLY PLAN</b>	
<b>Weeks</b>	<b>Activities</b>
<b>1</b>	Diagnostic error: prevalence and consequences
<b>2</b>	The cognitive psychology of diagnostic reasoning
<b>3</b>	Diagnostic medical decision making: How Doctors Think?
<b>4</b>	Heuristics: A powerful tool for efficient decision making and its pitfalls
<b>5</b>	Cognitive biases and noise in clinical decision making
<b>6</b>	The most common cognitive biases
<b>7</b>	Interventions to reduce diagnostic error
<b>8</b>	A universal model of clinical reasoning and clinical problem solving
<b>9</b>	System related diagnostic errors
<b>10</b>	The new diagnostic team
<b>11</b>	Cognitive autopsy of cases -1. Systems engineering approach to avoid errors
<b>12</b>	Cognitive autopsy of cases - 2. AI in clinical reasoning -1
<b>13</b>	Cognitive autopsy of cases - 3. AI in clinical reasoning -2
<b>14</b>	Cognitive autopsy of cases -4. Wrap-up and future predictions on diagnostic reasoning



# CLERKSHIP PROGRAM



YEAR  
**IV**



## YEAR 4 CLERKSHIPS (2023-2024)

CODE	CLERKSHIP	DEPARTMENTS	Duration (Weeks)	Theoretical Hours			Practical Hours				Instructional Time	Study Time	TOTAL (Student workload)	National Credits	ECTS
				Lecture	SCLA	Sub Total	Lab study	Field study	"Simulated Clinical Practice"	"Clinical Practice"					
MED 401	Internal Medicine	Internal Medicine Pulmonary Diseases Infectious Diseases	10	116	10	126				135	135	285	17	16	
MED 406	Surgery	General Surgery Anesthesiology Thoracic Surgery Plastic surgery	6	96	10	106			4	126	130	256	11	10	
MED 4001	Elective for Surgical Sciences	Anesthesiology Thoracic Surgery Plastic Surgery	2							80	80	80	3	3	
MED 403	Pediatrics and Pediatric Surgery	Pediatrics Pediatric Surgery	10	114	19	133			48	153	201	400	17	15	
MED 404	Obstetrics and Gynecology	Obstetrics and Gynecology	6	51	35	86			36	153	189	442	10	10	
MED 405	Cardiovascular Medicine	Cardiology Cardiovascular Surgery	4	52	3	55				81	81	145	7	6	
MED 407	TCC		4	62	4	66			216	27	243	256	6	10	
<b>TOTAL</b>			<b>42</b>	<b>491</b>	<b>81</b>	<b>572</b>	<b>0</b>	<b>0</b>	<b>304</b>	<b>755</b>	<b>1059</b>	<b>1468</b>	<b>396</b>	<b>1864</b>	<b>70</b>

**SCLA:** Student Centered Learning Activities (Problem-Based Learning (PBL), Team Based learning (TBL), Case Based Learning (CBL), Flipped Classroom, Workshops.)

**Field Study:** Site visits, Studies in the community, Working in primary care.

**Lab Study:** Practices in Basic Science and Computer Labs.

**Simulated Clinical Practice:** Practices in clinical skills labs. (CASE)

**Clinical Practice:** Bed side, Outpatient clinic, Operation room.

**Study Time:** Self Directed Learning, Preparation.

## YEAR IV 2023 - 2024 CLERKSHIP PROGRAM

Groups	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
<b>A</b>	TCC 28.08.2023 - 22.09.2023	Internal Medicine 25.09.2023-01.12.2023										Pediatrics 04.12.2023-09.02.2024										MIDYEAR RECESS 12.02.2024 - 23.02.2024	Cardiovascular Medicine 26.02.2024 - 22.03.2024	Obst & Gyn 25.03.2024-03.05.2024					Surgery 06.05.2024 - 14.06.2024					ESS* 17.06.2024 - 28.06.2024										
<b>B</b>	TCC 28.08.2023 - 22.09.2023	Pediatrics 25.09.2023 - 01.12.2023										Internal Medicine 04.12.2023 - 09.02.2024										MIDYEAR RECESS 12.02.2024 - 23.02.2024	Surgery 26.02.2024 - 05.04.2024	ESS* 08.04.2024 - 19.04.2024	Cardiovascular Medicine 22.04.2024 - 17.05.2024	Obst & Gyn 20.05.2024 - 28.06.2024																		
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ESS: Elective Surgical Sciences

<b>Clerkship Name</b>	<b>Internal Medicine</b>	<b>MED 401</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year IV / 10 weeks</b>	
<b>Theoretical Hours</b>	<b>125</b>	<b>Credit</b> <b>17</b>
<b>Practical Hours</b>	<b>135</b>	
<b>Study Hours</b>	<b>24</b>	
<b>TOTAL (Student Workload)</b>	<b>284</b>	
		<b>ECTS</b> <b>16</b>

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**Cem SUNGUR**  
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**Özlem SÖNMEZ**  
M.D., Prof. Medical Oncology

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**Yıldız OKUTURLAR**  
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**Mehmet KARAARSLAN**  
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**Erkan ACAR**  
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M.D., Prof. Radiation Oncology

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**Nilüfer AYKAÇ\***

M.D., Assoc. Prof. Internal Medicine

**Şafak KIZILTAŞ\***

M.D., Prof. Gastroenterology

**\*Visiting Professor**

<b>Educational Methods</b>	<b>Theoretical lectures and Practical Courses, Bedside education, Discussions, Ward Rounds, Case presentations, Seminars.</b>
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### Clerkship Aims

Internal Medicine (IM) education program is an integrated program involving all disciplines within the framework of the internal medicine department in cooperation with closely related clinical disciplines including pulmonary medicine and infectious diseases. Students will be able to practically apply what they have learned in the theoretical lectures formatted either in the form of lectures or case discussions.

The Internal Medicine Program is a 10-week rotation during the fourth year. Both theoretical and practical courses will be held mainly in Atakent Acibadem Hospital. The program includes 2-3 days of theoretical lessons followed by 4-6 days of practical sessions. Practical sessions include morning rounds, bedsides and case presentations under the supervision of the attending physicians. In the practical sessions, the students will be guided by a responsible consultant who is going to provide each student with the opportunity to learn basic principles of internal medicine, not only through direct patient contact, but also by observing and interacting with faculty and house staff. Practical sessions include morning rounds, bedsides and case presentations. Bedside education as an integral part of 4th year Internal Medicine Education Program, representing a synthesis of proper history taking, physical examination, differential diagnosis, clinical reasoning together with effective patient communication skills.

The main goal of the Internal Medicine Program is to develop a comprehensive process of incorporating history, physical examination, and results from various tests to arrive at a logical differential diagnosis. The student should be able to outline specific studies to prove or disprove the diagnosis and in general fashion, to describe an appropriate treatment plan. Internal Medicine Program does not encompass all aspects of internal medicine nor is it designed to recruit or develop internists. It is designed to provide the basic skills necessary to produce well-trained junior medical students.

***The major aims of this program are:***

1. To improve the student's ability to obtain a history, perform a physical examination, and then present these findings in a logical and concise manner.
2. To develop a problem-oriented method of patient evaluation.
3. To recognize the risks/benefits of medical interventions.
4. To become familiar with humanistic and ethical considerations involved in patient care.
5. To develop conduct and behaviour appropriate for a medical professional.
6. To develop and encourage a medical curiosity which will stimulate the student to continue a life-long system of self-education.
7. To develop an evidence-based approach to medical management
8. To encourage and motivate students for clinical and basic research.

## General information

The first week of the IM program is dedicated to history taking and physical examination. The rest of the program is divided into 5-6 day periods, each representing either an IM subspecialty activity or other relevant department activities such as Infectious Diseases and Pulmonary Medicine. The first 2-3 days of each period covers theoretical lessons and the remaining 3-4 days are practical sessions. Practical sessions usually start with morning rounds and/or case discussion meetings followed by bedside teaching. Thereafter, the students follow their consultant's program (outpatient clinic, endoscopy, tumour boards, pathology joint meeting etc.) in their daily outpatient practice. Theoretical lessons include case discussions and lectures. Theoretical and practical sessions will be held in Atakent and Maslak Acibadem Hospitals.

### *Responsibilities of the students*

The responsibilities of the students during internal medicine clerkship are as follows:

- 1- Students are expected to participate in all theoretical and practical sessions.
- 2- There will be a mid-term exam towards the end of the IM program. The students **should prepare a patient record (dossier) during this exam. They will be asked to take the history of a patient and do the physical examination at the patient's bedside with the consultant.** This record will be evaluated and scored by the consultant. Each student will be assigned to a consultant and that list will be announced at the beginning of the IM program. Attendance to mid-term exam and submission of patient record is mandatory before written/oral examination, it also forms ten percent of the final score. A formal document for preparing patient record will be provided to students at the start of IM program.
- 3- Students are expected to actively participate to case discussions.
- 4- **Dress Code:** It is mandatory for you to wear a white coat and hold a name tag. During Internal Medicine Clerkship, we expect male students to wear a shirt and a neck tie with trousers and the female students to dress appropriate to hospital environment with comfortable shoes suitable for long hours standing. Students should always have their stethoscope with them in bedside education.
- 5- **Attendance Policy:** Students are expected to participate in every assignment indicated on their schedule. Absences may result in being compelled to repeat all or a portion of the outpatient component of the clerkship. (For further details please consult the Regulations for Education and Examination at the website)

If for some reasons, you are not able to come to any of the practical or theoretical sessions, please inform **Dr Leyla Özer (Medical Oncology/Atakent Hospital)** before the beginning of the session and ask to be excused. Unexcused absences will have to be made up.

### *Evaluations*

A written and a bedside oral examination are scheduled at the last two days of the each 10-week IM program. The final score will be the sum of oral & written examination and the mid-term exam. **Ninety percent** of the final score will come from the mean of the written and oral examination and **ten percent** of the final score will be calculated as the mean of the mid-term exam.

Both examinations (written and oral) will cover topics listed as "learning outcomes" within this Manuel. A sample of "History taking & Physical Examination" form will be provided in the first week of clerkship. Oral examination will assess your performance on history taking, physical examination and it will be accompanied with questions covering the topics you have learnt during this clerkship. Regarding to oral questions, you will have a separate sheet of oral examination questions/topics which will form the base of structured oral examination.

Depending on the calendar, there will be one day of study time before examinations. You will also have a consultant list who are going to be responsible for the practical sessions.

There are some recommended Internal Medicine text books which will help you to understand basic principles of IM throughout your clerkship period. A variety of high quality textbooks are available to you. The most commonly used ones are listed below. You are free to select one or two of them. Also, text- books are available here at the hospital library.

After the exam, your score will be announced only after you fill in and e-mail the clerkship evaluation form and deliver it to Dr Leyla Özer (Medical Oncology/Atakent Hospital) or Mrs. Leyla Karahan Hız (leyla.karahan.hiz@acibadem.com) or Ms. Eda Arslan (eda.arslan@acibadem.com).



**References:**

- Bates' Guide to Physical Examination and History Taking
- Cecil Textbook of Medicine
- Harrison's Principles of Internal Medicine,
- Kumar' Internal Medicine

**Accommodation:**

We encourage you to give us a list of your e-mail addresses and cell phone numbers for access in case of any change in schedule. You can also use the Student Portal established on the Acibadem University website to receive updated information.

Lunch will be served at the hospital employee cafeteria.

**Parking information** will be provided by hospital management.

In all Acibadem Hospitals, if you encounter any problem related to IM clerkship, you can contact medical director's secretary (contact information will be provided by the university).

Welcome to Internal Medicine clerkship and we look forward to providing you with a satisfying *and pleasant* learning experience.

**Assessment Methods\***

**Theoretical and Practical Subject Committee Exams,  
Homework,  
Presentations,  
Discussions,  
Skills,  
Performance-Based Assessment**

\* Percentages of the assessment methods will be announced by the Department.

## LEARNING OUTCOMES OF INTERNAL MEDICINE CLERKSHIP

### 1. Pulmonary Diseases

- a. To address the symptoms of respiratory disease commonly encountered by the pulmonologist (cough, dyspnea, hemoptys, cyanosis)
- b. To review the physiology, pathophysiology, differential diagnosis, pathogenesis, diagnosis and treatment of pulmonary edema, hypoxia, polycytemia.
- c. Understand methods available for the evaluation of patients with pulmonary diseases (x-ray, radionuclide scans, pulmonary function test, blood gas analysis)
- d. Be familiar with the common drugs used in the management of pulmonary diseases.
- e. Know the diagnosis and management of the following clinical problems:
  - Chronic obstructive pulmonary disease
  - Asthma, acute and chronic
  - Common pulmonary infections (pneumonia, bronchiolitis, tuberculosis, empyema, upper airway infections, bronchiectasis etc.)
  - Interstitial lung disease (Sarcoidosis, Goodpasture's Syndrome, etc.)
    - Pulmonary neoplasm's (lung cancer, mesothelioma)
    - Pleural disease (Pleurisy, pneumothorax)
    - Pulmonary vascular disease (Pulmonary hypertension, pulmonary embolism)

### 2. Nephrology

- a. Recognition of the clinical symptomatology and management of common renal diseases, e.g., acute glomerulonephritis, nephrotic syndrome, acute and chronic renal failure based on the pathophysiology of the disease process.
- b. Understanding the significance and physiologic principles of laboratory tests employed in the assessment of renal function.
- c. Understanding the normal physiology of fluid, electrolyte and acid base balance. Diagnosis and management of common electrolyte and acid base disorders.
- d. Understanding the immunologic mechanisms of renal disease. In-depth study of renal biopsy and correlation of renal histology with clinical renal diseases.
- e. Insight into the metabolic and endocrine functions of the kidneys and metabolic consequences of renal failure.
- f. Instructions pertaining to the diagnosis and management of various forms of hypertension, including renin-angiotensin aldosterone system.
- g. Diagnosis and management of acute and chronic medical problems in patients with renal disease and renal failure.
- h. Evaluation of the end-stage renal disease patients and choosing the optimal renal replacement treatment modality (dialysis versus transplantation).

### 3. Infectious Diseases

#### *A. Approach to a patient with fever*

- a. Take relevant history and perform focused clinical examination in a patient with fever.
- b. Formulate a differential diagnosis for patients with fever.
- c. Describe a clinical and laboratory approach to a patient with fever.
- d. Recognize and define systemic inflammatory response syndrome, sepsis and septic shock.
- e. Evaluate and make a differential diagnosis for patients with fever of unknown origin.
- f. Develop management plans for the patient with fever.

#### *B. Approach to infectious diarrhea*

- a. Take appropriate history of a patient having diarrhea and make a differential diagnosis of infectious and non-infectious diarrhea.
- b. Define the appropriate laboratory and procedural evaluation of a patient with diarrhea
- c. Be aware of symptomatic treatment and manage antibiotherapy regimens for diarrhea.

**C. Health care associated infections:**

- a. Make definitions of specific health care associated infections.
- b. Demonstrate knowledge of the burden of health care associated infections.
- c. Evaluate the appropriate control mechanisms in preventing health care associated infections.
- d. Recognize the components of successful hand hygiene and be aware of its importance in the prevention of health care associated infections.

**D. Approach to infectious diseases' emergencies:**

- a. Demonstrate knowledge of acute bacterial meningitis.
- b. Demonstrate knowledge of febrile neutropenia
- c. Demonstrate knowledge of acute epiglottitis.
- d. Demonstrate knowledge of necrotizing skin and soft tissue infections.
- e. Describe rapid actions in emergency cases and manage empirical therapy.

**E. Approach to genitourinary tract infections:**

- a. Identify the clinical presentation of urinary tract infections in various patient populations
- b. Describe laboratory tests used to diagnose urinary tract infections.
- c. Develop a management plan for urinary tract infections and recognize the importance of antibiotic resistance.
- d. Demonstrate knowledge of sexually transmitted diseases causing urinary tract symptoms.

**F. Therapeutic approach to AIDS and related opportunistic infections.**

- a. Define the relationship of infection and different types of immunosuppression states.
- b. Explain the natural history of the HIV infection and pathogenesis of opportunistic pathogens.
- c. Define AIDS related conditions.
- d. Describe basic laboratory tests used for the diagnosis of HIV infection.

**G. Rational use of antibiotics**

- a. Evaluate appropriateness of antibiotic drug therapy based on clinical presentation and accompanying clinical data.
- b. Evaluate appropriate antibiotic drug selection, administration and be aware of the principles of age related, hepatic and renal impairment conditions.
- c. Demonstrate awareness of antimicrobial resistance problems during treatment of infections.

**H. Approach to pandemic cases.**

- a. Clinical management of suspected or confirmed pandemic /epidemic patients.
- b. Evaluation, isolation approach and management of patient with suspected respiratory pandemic agents: such as Covid 19 ...etc

**4. Gastroenterology**

- a. To carry out the initial history and physical examination and plan the diagnostic work-up for the more common gastrointestinal disorders
- b. To know how to use laboratory tests and imaging modalities in the most appropriate and cost –effective way.
- c. To approach patients with GI emergencies, give them primary care and know when and how to refer them to tertiary centres.
- d. To make differential diagnosis from symptom to clinical evaluation of common GI disorders presenting with dysphagia, abdominal pain, diarrhea, vomiting, coma etc . . .
- e. To understand the major symptomatology of esophageal motility disorders, to know about their pathophysiology and diagnostic work up, to recognize gastroesophageal reflux disease and its complications, to know the therapeutic options for GI motility disorders including gastroesophageal reflux disease.
- f. To know how to approach patients with acute and chronic GI bleeding, to make differential diagnosis of diseases causing upper and lower GI bleeding and diagnostic tests pertinent to the conditions, the drugs for GI bleeding.
- g. To know the definition of dyspepsia; to identify functional dyspepsia, to know how to evaluate a patient with dyspepsia and peptic ulcer disease,
- h. To know diseases causing acute and chronic diarrhea, to make differential diagnosis of diarrhea, to know how to evaluate and manage a patient with acute or chronic diarrhea.

- i. To understand the burden and prevalence of most common causes of constipation, to learn the differentiation of organic and functional causes of constipation, to understand the diagnostic tests for constipation to learn the treatment approaches for functional constipation, to learn and be aware of the possibility of different treatment options for organic causes of constipation.
- j. To know how to approach a patient with jaundice, to make differential diagnosis and to use lab tests / imaging studies for its diagnosis
- k. To know how to approach a patient with ascites, to differentiate portal hypertensive from malignant ascites or other causes of ascites. To know how to manage a patient with ascites.
- l. To make the differential diagnosis of elevated aminotransferases, cholestatic enzymes, bilirubin levels and to know how to distinguish liver pathologies according to the laboratory tests.
- m. To define irritable bowel syndrome (IBS), describe how to manage the patients with IBS and know when and how to use drugs in this setting.
- n. To understand the pathogenesis of the inflammatory bowel diseases (IBD), to classify IBD, to know about the symptoms, physical findings, diagnosis and treatment of the Ulcerative colitis and Crohn's disease
- o. To know the complications of the liver cirrhosis, to manage complications of liver cirrhosis in primary care level.
- p. To understand the importance of acute and chronic viral hepatitis, to name and classify the hepatitis, to describe the epidemiology, risk groups, transmission routes, symptoms, physical findings, diagnosis, complications and treatment of the viral hepatitis. To know prevention measures and vaccination against viral hepatitis infection
- q. To know how to approach to patients with acute liver failure, to define and make differential diagnosis of conditions causing acute and acute on chronic liver failure, to know how to evaluate a patient with acute liver failure, to know when and how to refer a patient with acute liver failure to a transplantation centre, to know about drugs used in acute liver failure,
- r. To be familiar with presentation and features of gallstone disease and its complications, to know about the methods for diagnosis and treatment of pancreatobiliary disorders
- s. To understand obesity related gastrointestinal problems and approach to their management
- t. To know about alcohol induced liver and pancreatic diseases, their prevention and treatment
- u. To outline disease burden in gastrointestinal cancers, to know about their prevention, nutritional aspects of carcinogenesis and approach to patients with common GI cancers
- v. To give patients dietary recommendations for a healthy life, prevention from chronic debilitating diseases and maintain their health with the medical condition they suffer from.

## 5. Hematology

- a. Take a history from a haematology patient
- b. Determine pathological findings in the examination of the haematology patient
- c. Construct a differential diagnosis following history taking and physical examination
- d. Ask for the necessary laboratory tests to clarify the differential diagnosis
- e. Comment on the haematological laboratory tests
- f. Define the basic histological, physiological, biochemical and genetic properties involved in haematological processes
- g. Describe the pathology which occurs when these normal processes are disturbed
- h. Explain the clinical and laboratory features of common blood disorders including haematological malignancies, anaemias, clotting disorders and transfusion problems and their management

## 6. Medical Oncology

- a. Be familiar with cancer as a global health problem worldwide
- b. Describe reasons for development of cancer: genetic/ environmental/viral
- c. Know most frequent and worst prognostic cancers in men and women
- d. Define risk factors for development of cancer
- e. Know preventive measures for common cancers
- f. Understand/describe behavioral changes needed to prevent cancer
- g. Know recommended cancer screening for normal risk people
- h. Know therapeutic interventions for cancer prevention
- i. Know aims of cancer treatment: curative, palliative
- j. Know how cancer therapy works, main therapeutic modalities: CT, RT and biologic therapies
- k. Make differential diagnosis and know treatment of oncologic emergencies
- l. Know principles of pain management in cancer patients
- m. Know early and late side effects of cancer therapy
- n. Know how to communicate with cancer patients: compassionate caring, sharing bad news

- o. Know risk factors, screening, diagnostic procedures, staging and treatment of Breast Cancer
- p. Know risk factors, screening, diagnostic procedures, staging and treatment of Lung Cancer
- q. Know risk factors, screening, diagnostic procedures, staging and treatment of Colorectal Cancer
- r. Know risk factors, screening, diagnostic procedures, staging and treatment of Prostate Cancer

## 7. Rheumatology

- a. Obtain proficiency in performing a comprehensive musculoskeletal system exam.
- b. Develop a reasonable differential diagnosis for both monoarticular and polyarticular presentations of arthritis.
- c. Develop a reasonable differential diagnosis for connective disease and vasculitis conditions
- d. Be familiar with clinical presentation of some common rheumatic diseases such as rheumatoid arthritis, spondylarthrosis (including psoriatic arthritis, reactive arthritis, ankylosing spondylarthritis), and uncommon ones such as Familial Mediterranean Fever, Bechet's Disease
- e. Be familiar with and proficient in the use of an expanded history of present illness and review of systems pertinent to musculoskeletal and rheumatic disorders
- f. Understand the usefulness and limitations of immunologic testing
- g. Understand indications for arthrocentesis and the interpretation of synovial fluid result.
- h. Acquire an understanding of the use of oral, parenteral and intra-articular corticosteroids, non-steroidal anti-inflammatory agents, immunosuppressive and biologic agents in rheumatic diseases.
- i. Recognize indications for use and major untoward effects of drugs and the monitoring for drug toxicity.
- j. Participate in patient education.

## 8. Endocrinology

*After completing this internship block, the students will be able;*

- a) To use the clinical reasoning approach in the diagnosis, differential diagnosis, management and prevention methods of acute, chronic or congenital endocrine system diseases and metabolic diseases.
- b) To explain the basic principles and approaches in the epidemiology, clinical, laboratory and radiological diagnosis and management of clinical and emergency situations in endocrinological diseases that are frequently encountered in primary care.
- c) To take an appropriate history, perform physical examination and make differential diagnosis, take action on pharmacological and non-pharmacological treatment options for clinical and emergency situations in endocrinological diseases that are frequently encountered in the primary care.
- d) To create accurate and reasonable patient records, and hand over patients safely and effectively
- e) To know when, whom and how to refer patients to tertiary centers in case.
- f) To use appropriate laboratory tests and imaging modalities as needed.
- g) To determine pharmacological and non-pharmacological treatment options for clinical and emergency situations which are frequently encountered in primary care, with an evidence-based medical approach in the context of the patient
- h) To make differential diagnosis from symptom to clinical evaluation of common endocrine disorders presenting with dryness of mouth, polyuria, polydipsia, nocturia, weight changes, growth and developmental delay, menstrual irregularities, sexual dysfunction, infertility, galactorrhea, delayed or early puberta, hirsutism, neck pain, neck lumps, skin and hair changes, palpitations, dizziness, tiredness, excess sweeting, high or low blood pressure, hyper- or hypothermia.
- i) To be aware of pituitary related disorders.
- j) To know in which cases to suspect pituitary adenomas, to recognize the symptoms of functional pituitary disorders; pituitary adenomas, hyperprolactinemia/prolactin adenoma, acromegaly, Cushing's disease, hypopituitarism, diabetes insipitius.
- k) To understand major symptomatology of pituitary disorders, to know about their pathophysiology and diagnostic work-up, to know the outlines of diagnosing these diseases and make differential diagnosis.
- l) To be aware of thyroid disorders and to approach acute and chronic thyroid disorders. To know the epidemiology, pathophysiology and symptoms of thyroid disorders.
- m) To obtain proficiency to make a complete thyroid and neck examination.
- n) To know pathophysiology of thyroiditis, thyroid nodules and thyroid carcinomas and to recognize and make diagnostic work up for these disorders.
- o) To understand the indications for thyroid fine needle aspiration biopsy
- p) To develop a reasonable differential diagnosis of thyroid disorders which cause thyrotoxicosis or hypothyroidism.
- q) To treat acute and chronic situations besides to know how to approach and treat emergencies of thyroid disorders.
- r) To be aware of adrenal diseases.
- s) To know in which cases to suspect, and recognise the symptoms adrenal diseases; primary hyperaldosteronism, Cushing's syndrome, pheochromocytoma, congenital adrenal hyperplasia, adrenal insufficiency and adrenal carcinoma.
- t) To know when to suspect, the definition and the pathophysiologic mechanisms causing secondary/endocrine hypertension.

- u) To approach patient with secondary hypertension for differential diagnosis by recognizing and making differential diagnosis of causes like Cushing syndrome, hyperaldosteronism and pheochromocytoma.
  - v) To know the definition of adrenal incidentaloma and how to approach for a proper differential diagnosis and discriminate benign and malign adrenal lesions.
  - w) To know the definition and diagnostic criteria of diabetes mellitus. To know risk factors for diabetes mellitus and to know when to screen for diabetes mellitus.
  - x) To be aware of the burden and complications of diabetes mellitus and to know the epidemiology.
  - y) To define the target population, method and implementation strategies of control, screening programs for protection and disease prevention
  - z) To understand major symptomatology of diabetes mellitus, to know about pathophysiology and diagnostic work up, recognize the disease.
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- aa) To classify types of diabetes mellitus according to symptoms, findings, physical examination and laboratory work up.
  - bb) To obtain proficiency to make a complete physical examination for possible complications of diabetes mellitus like diabetic neuropathy exam
  - cc) To understand pathophysiologic mechanisms and screen patients appropriately for acute and chronic complications of diabetes mellitus.
  - dd) To be aware of the harms of hypoglycemia, to know the definition and treatment of hypoglycemia.
  - ee) To know to take actions to prevent the complications of diabetes mellitus
  - ff) To participate in patient's education for diabetes mellitus
  - gg) To treat patients with diabetes mellitus and to know when to refer to a tertiary center
  - hh) To know the pathophysiologic mechanisms of acute complications of diabetes mellitus; diabetic ketoacidosis, hyperosmolar nonketotic hyperglycemic state.
  - ii) To know how to approach in emergency cases and treat accordingly.
  - jj) To know the symptoms and pathophysiologic mechanisms of menstrual irregularities and sexual dysfunction disorders.
  - kk) To make the differential diagnosis.
  - ll) To know the symptoms and signs of calcium metabolism disorders.
  - mm) To know the definition and effects of vitamin D deficiency and take action to prevent.
  - nn) To classify and make differential diagnosis for both hypercalcemia and hypocalcemia
  - oo) To know how to approach patient with hyper- or hypocalcemia and treat accordingly
  - pp) To know the risk factors for osteoporosis and to make an appropriate diagnosis
  - qq) To be aware of endocrine system related emergencies.
  - rr) To know when to suspect thyroid storm, mixedema coma, hypercalcemia, hypocalcemia, pituitary apoplexia, diabetic ketoacidosis and other diabetic emergencies
  - ss) To know the outlines of diagnosing these diseases and making differential diagnosis

<b>Clerkship Name</b>	<b>Pediatrics &amp; Pediatric Surgery</b>	<b>MED 403</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year IV / 10 weeks</b>	

<b>Theoretical Hours</b>	<b>139</b>	<b>Credit</b> <b>17</b>	<b>ECTS</b> <b>15</b>
<b>Practical Hours</b>	<b>172</b>		
<b>Study Hours</b>	<b>90</b>		
<b>TOTAL (Student Workload)</b>	<b>400</b>		

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<b>Educational Methods</b>	<b>Lectures</b> <b>Case based learning sessions</b> <b>Clinical practice in pediatric wards, delivery room and intensive care units.</b> <b>Clinical Practice in CASE (NRP, CPR, Virtual Pediatric Patient Assessment)</b>
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**Clerkship Aims**

This course aims to provide basic knowledge about the etiology, pathophysiology, clinical symptoms and signs, differential diagnosis, and treatment of diseases and preventive measures of pediatrics.  
 Students will be able to interpret laboratory results, and findings of radiological examinations. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about 'pediatric patients' rights and privacy.

**Clerkship Outcomes**

By the end of this clerkship, the students will be able to:

1. Perform pediatric history taking and make a systematic physical examination
2. Perform pediatric and neonatal resuscitation
3. Perform neonatal physical examination and nursery care, diagnose high-risk newborn and neonatal emergencies
4. Diagnose acutely ill children and treat basic pediatric emergencies
5. Learn the follow-up of a healthy child, pediatric screening programs
6. Perform basic vaccination skills
7. Evaluate the growth, development, and pubertal stage of a child
8. Define pediatric nutrition principles
9. Make differential diagnosis of fever in pediatric patients
10. Make differential diagnosis of cough in pediatric patients
11. Make differential diagnosis of abdominal pain in pediatric patients
12. Make differential diagnosis of vomiting in pediatric patients
13. Make differential diagnosis of anemia in pediatric patients
14. Define the management of pediatric trauma patient
15. Recognize pediatric neglect and abuse patients

<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• <b>Written Final Exam (ASOS) %30</b></li> <li>• <b>Structured Oral Exam %35</b></li> <li>• <b>Case-Based Learning Assessment %10</b></li> <li>• <b>History Taking and Physical Examination Assessment (Should take at least 60/100 points to to be considered successful) %10</b></li> <li>• <b>CASE Performance Assessment %5</b></li> <li>• <b>Midterm Assessment %10</b></li> </ul> <p><b>Failure to sign in will be interpreted as absence; ≥ 20 % absence requires repeating the course</b></p>
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<b>Clerkship Name</b>	<b>Obstetrics and Gynecology</b>	<b>MED 404</b>	
<b>Clerkship Type</b>	<b>Compulsory</b>		
<b>Medium of Instruction</b>	<b>English</b>		
<b>Year / Duration</b>	<b>Year IV / 6 weeks</b>		
<b>Theoretical Hours</b>	<b>60</b>	<b>Credit</b> <b>10</b>	<b>ECTS</b> <b>10</b>
<b>Practical Hours</b>	<b>130</b>		
<b>Practical Hours</b>	<b>9</b>		
<b>Study Hours</b>	<b>30</b>		
<b>TOTAL (Student Workload)</b>	<b>229</b>		

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\*Visiting Professor

<b>Educational Methods</b>	<b>Lectures</b> <b>Interactive learning session.</b> <b>Literature review and presentations.</b> <b>Practice in operation and delivery room.</b> <b>Practice in CASE</b>
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<b>Clerkship Aims</b>
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This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of male and female genital diseases and preventive measures. Students will be able to interpret laboratory results, findings of radiological examinations and perform several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about 'patients' rights and privacy.

<b>Clerkship Outcomes</b>
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By the end of this clerkship, the students will be able to:

Diagnose pregnancy, take antenatal care of pregnant woman, identify high risk pregnancies, can refer appropriate patients to specialized tertiary centers and define obstetric emergencies

1. Perform basic obstetric examination.
2. Define conditions for and describe stages of normal vaginal birth and summarize normal labor management.
3. Describe indications for operative vaginal delivery and cesarean section.
4. List common complications of labor and delivery and summarize their basic management principles
5. Perform basic gynecological examination, define physical findings.
6. Take cervicovaginal PAP smear and obtain vaginal swap for microbiological evaluation.
7. Describe common gynecological pathologies and summarize their treatment options.
8. Describe symptoms and physical findings of common gynecological cancers, define screening protocols of gynecological cancers amenable to screening and refer these patients to appropriate centers.
9. Define diagnostic criteria of infertility, describe the basic evaluation of infertile couples and explain the principles of their management.
10. Define common contraceptive methods, describe their advantage and disadvantage and counsel couples regarding the most appropriate method of contraception.
11. Describe symptoms and physical findings of common benign gynecological diseases and define their clinical management.
12. Describe urinary incontinence, define basic principles of physical examination of patients with urinary incontinence and summarize their management.
13. Define perimenopausal changes and summarize the management of common conditions of these patients.

<b>Assessment Methods</b>	<p>Failure to sign in will be interpreted as absence; <math>\geq 20</math> % absence requires repeating the course,</p> <p>Clinical assessment (By, history taking, homework and discussion, of relevant cases. Contributes to 10 % of final points.)</p> <p>Written final exam (Multiple choice questions, contributes to 50 % of final points)</p> <p>Structured oral exam (contributes to 40 % of final points)</p>
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<b>Clerkship Name</b>	<b>Cardiovascular Medicine</b>	<b>MED 405</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year IV / 4 weeks</b>	

<b>Theoretical Hours</b>	<b>55</b>	<b>Credit</b> <b>7</b>	<b>ECTS</b> <b>6</b>
<b>Practical Hours</b>	<b>81</b>		
<b>Study Hours</b>	<b>9</b>		
<b>TOTAL (Student Workload)</b>	<b>145</b>		

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\*Visiting Professor

<b>Educational Methods</b>	<b>Theoretical lectures and practical courses, bedside education, discussions, ward rounds, case presentations, practice in operation rooms, practice in ward and outpatient clinics, practice in coronary and cardiovascular surgery intensive care unit</b>
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### Clerkship Aims

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of cardiovascular diseases. Students will be able to interpret laboratory results, findings of radiological examinations and observe several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about 'patients' rights and privacy.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

#### Cardiology

- A. Know the examination of cardiovascular system
- B. 1- Define acute coronary syndromes, 2- Describe how to manage the acute coronary care patients, 3- Know how to use the drugs in the acute coronary syndromes.
- C. 1- Define chronic ischemic heart diseases 2- Describe how to manage chronic stable angina, 3- Know risk factors and prevention of chronic ischemic heart diseases.
- D. 1- Approach patient with a chest pain 2- Diagnose cardiovascular emergency, 3- Treat the patient with cardiovascular emergency.
- E. 1- Know the diagnosis and classification of the hypertension (primary/secondary) and options of therapy for each stage. 2- Define the complications (end-organ damage) of the hypertension
- F. 1- Define basic mechanisms of cardiac arrhythmias and diagnose basic arrhythmias, 2- Classify the antiarrhythmic drugs according to their action, 3- Define the nonpharmacological treatment options in basic arrhythmias and know the indication of use of these methods 4- Know the medical (acute and chronic treatment) and possible catheter based treatment of basic cardiac arrhythmias,
- G. 1- Environment/genetic predisposition of the hypercoagulation status 2- How to manage the acute pulmonary embolism and deep venous thrombosis 3- Prophylaxis of high risk patient for thrombotic events
- H. 1- Definition of the pulmonary hypertension 2- Definition of the right heart failure 3- Know the causes of pulmonary hypertension and right heart failure 4- Therapy of the pulmonary hypertension and right heart failure
- I. 1- Define the pathophysiology, diagnosis, severity, prognosis, treatment options and prevention of valvular pathologies (including rheumatic fever and infective endocarditis)
- J. 1- Describe the cause of pericardial disease 2- Know the types of pericardial disease, clinical features, the necessary laboratory testing and therapeutic approach.
- K. 1- Diagnose the patient with a cardiac mass 2- Describe how to approach such a patient
- L. 1- Define genetic and secondary causes of hyperlipidemia, 2- Define risk stratification of hyperlipidemic patients, 3- Describe drugs that affect lipid metabolism, 4- Describe non-pharmacological lipid lowering therapy, 5- Know when and how to use lipid lowering drugs
- M. 1-Diagnosis of the frequent cardiomyopathies 2- Long term treatment options 3- Prevention of the sudden death
- N. Know cardiovascular problems in pregnancy
- O. Know relationship of endocrine diseases and diabetes with cardiovascular problems

## Cardiovascular Surgery

- A. Know anatomy of the cardiac structures and major vessels, structures of the heart valves, cardiac conduction system, coronary artery anatomy. Define physiological terms like cardiac output, preload, afterload, stroke volume, central venous pressure.
- B. Define the functional effects of antiagregans, anticoagulants, catecholamins and positive inotropic/cronotropic agents, nitric oxide, vasodilators, diuretics, beta blockers and antihypertensive drugs.
- C. List common complications after cardiac operations. Describe and become aware of symptoms and physical findings postoperative complications (myocardial infarction, aortic dissection, aortic rupture, cardiac tamponade, low cardiac output syndrome, heart failure and pulmonary embolism).
- D. Describe common peripheral venous and arterial pathologies like deep vein thrombosis and arterial embolism and summarize their treatment options.
- E. Know to analysis of blood gas parameters, be aware of hypoxemia and cyanosis.
- F. Define symptoms and physical findings of basic congenital heart diseases and timing for intervention and surgery.
- G. Know cardiopulmonary bypass circuit and how it is used for open heart surgery.
- H. Review diseases of aorta and great vessel and learn management of patients with the diagnosis of various acute and chronic aortic diseases.
- I. Know basic approach to vascular and cardiac trauma.

## Assessment Methods

### Theoretical and Practical Subject Committee Exams

- Failure to sign in will be interpreted as absence;  $\geq 20$  % absence requires repeating the course,
- Written final exam (Multiple choice questions, contributes to 60 % of final points)
- Structured oral exam (contributes to 40 % of final points)

<b>Clerkship Name</b>	<b>Surgery</b>	<b>MED 406</b>	
<b>Clerkship Type</b>	<b>Compulsory</b>		
<b>Medium of Instruction</b>	<b>English</b>		
<b>Year / Duration</b>	<b>Year IV / 6 weeks</b>		
<b>Theoretical Hours</b>	<b>106</b>	<b>Credit</b> <b>11</b>	<b>ECTS</b> <b>10</b>
<b>Practical Hours</b>	<b>130</b>		
<b>Study Hours</b>	<b>20</b>		
<b>TOTAL (Student Workload)</b>	<b>256</b>		

### Clerkship Chair

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\*Visiting Professor

<b>Educational Methods</b>	Lectures Case Discussions (Interactive) Bed-Side Training Case Based Learning Out-Patient Clinics Operating Room
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### Clerkship Aims

#### **General Surgery**

The aim of this course is to teach basic surgical topics to fourth year medical students with lectures, case based learning, paper presentations and bed side training. Each student expected to incorporate basic knowledge and clinical experience to obtain modern patient-oriented clinical care.

During the course, the students will have opportunities to join out- and in- patient care with medical teachers and other health professionals.

#### **Thoracic Surgery**

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of general thoracic surgical pathologies.

#### **Anesthesiology and Resuscitation**

This course aims to provide basic knowledge about:

- The general anesthesia, regional anesthesia, and local anesthesia,
- Basic and advanced monitoring of the patient during anesthesia and ICU,
- Analysis of arterial blood gases,
- Pain and analgesics,
- Basic and advanced cardiopulmonary resuscitation,

oxygen therapy and mechanical ventilation.

#### **Plastic, Reconstructive & Aesthetic Surgery**

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of burns, wound healing, traumas, congenital disorders related to plastic & reconstructive surgery, maxillofacial traumas, aesthetic surgery, breast reconstruction, basic reconstructive surgical methods.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

#### **General Surgery**

- Be familiar to the anatomy of surgical sites
- Describe the symptoms and physical findings of patients with surgical disease,
- Analyze the signs and symptoms in a patient
- Outline the principles of managing surgical patients (acute abdomen, hemodynamic instability, hemorrhage, etc)
- Differentiate between benign and malignant/ acute and chronic / emergent and elective surgical disease.

#### **Thoracic Surgery**

- Learn basic principles of chest tube insertion
- Management of chest trauma patient.
- Differentiate main thoracic surgical pathologies and know their treatment.
- Define radiological findings of main thoracic surgical pathologies.

**Anesthesiology and Reanimation**

- Describe basically the administration and the stages of general anesthesia and to list the general anesthetics,
- Describe the regional anesthesia administration
- Describe the local anesthesia mechanisms and to list local anesthetics
- List the basic and advanced monitoring techniques used for anesthetic and intensive care of patients
- Analysis of arterial blood gases and acid-base status
- Describe the algorithms of basic and advanced cardiopulmonary resuscitation in adults.
- Describe the anatomy and physiology of pain, to list the types and characteristics of pain and define the basic principles of pain management.
- Describe the basic principles of oxygen therapy and mechanical ventilation.

**Plastic, Reconstructive& Aesthetic Surgery**

- Define the basic approach to burn and frostbite injuries
- Learn wound healing principles
- Define the approach to evaluation of craniofacial disorders, cleft lip & palate,
- Learn the basic breast reconstruction methods
- Learn the basic approach to hand and lower extremity injuries
- Learn the basic approach to maxillofacial traumas
- Learn the treatment of malignant melanoma and nonmelanoma skin tumors

**Assessment Methods**

Objective Structured Oral Exam %30  
Written Exam (MCQ) %30  
Mini Clinical Evaluation Exam (Mini-Cex) %10  
Case Based Learning (CBL) %25  
Pre-Test (CASE) %5





YEAR

V



## YEAR 5 CLERKSHIPS (2023-2024)

CODE	CLERKSHIP	DEPARTMENTS	Duration (Weeks)	Theoretical Hours				Practical Hours				"Instructional Time"	Study Time	TOTAL (Student workload)	National Credits	ECTS
				Lecture	SCLA	Sub Total	Lab study	Field study	"Simulated Clinical Practice"	"Clinical Practice"	Sub Total					
MED 501	Neurology	Neurology	4	23	9	32				63	63	95	22	117	7	6
MED 502	Neurosurgery	Neurosurgery	3	51		51				12	12	63	30	93	5	5
MED 503	Psychiatry	Psychiatry	3	31	2	33				45	45	78	33	111	5	5
MED 504	"Otolaryngology, Head and Neck Surgery"	Otolaryngology , Head and Neck Surgery	3	29	1	30				72	72	102	0	102	5	5
MED 505	Ophthalmology	Ophthalmology	2	17	1	18				68	68	86	10	96	4	3
MED 506	Dermatology	Dermatology	3	37	5	42				63	63	105	13	118	5	5
MED 508	Orthopedics & PTR	"Orthopedics Physical Therapy and Rehabilitation"	5	18	6	24			108		108	132	0	132	8	8
MED 509	Forensic Medicine	Forensic Medicine	2	43	5	48				18	18	66	10	76	4	3
MED 511	Urology	Urology	3	23		23				81	81	104	0	104	5	5
MED 5000	Elective Clerkship-1	All Departments	4								160	160		160	6	6
MED 5001	Elective Clerkship-2	All Departments	6								240	240		240	9	9
<b>TOTAL</b>			<b>38</b>	<b>272</b>	<b>29</b>	<b>301</b>	<b>0</b>	<b>108</b>	<b>422</b>	<b>930</b>	<b>1231</b>	<b>118</b>	<b>1349</b>	<b>63</b>	<b>60</b>	

**SCLA:** Student Centered Learning Activities (Problem-Based Learning (PBL), Team Based Learning (TBL), Case Based Learning (CBL), Flipped Classroom, Workshops.)

**Field Study:** Site visits, Studies in the community, Working in primary care.

**Lab Study:** Practices in Basic Science and Computer Labs.

**Simulated Clinical Practice:** Practices in clinical skills labs. (CASE)

**Clinical Practice:** Bed side, Outpatient clinic, Operation room.

**Study Time:** Self Directed Learning, Preparation.

## YEAR V 2023 - 2024 CLERKSHIP PROGRAM

Groups	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
<b>A</b>	Elective-1 28.08.2023 22.09.2023	Reces. 25.09.2023 29.09.2023	Orthopedics & PTR 02.10.2023-03.11.2023		Neurology 06.11.2023-01.12.2023		Neurosurgery 04.12.2023-22.12.2023		Dermatology 25.12.2023-12.01.2024		Forensic Medicine 15.01.2024 26.01.2024		Midyear Reces. 29.01.2024 09.02.2024		Urology 12.02.2024 01.03.2024		Psychiatry 04.03.2024 22.03.2024		Psychiatry 04.03.2024 22.03.2024		Reces. 25.03.2024 29.03.2024		Ophth. 01.04.2024 12.01.2024		OHNS 15.04.2024 03.05.2024		Elective-2 06.05.2024-14.06.2024															
	Elective-1 28.08.2023 22.09.2023	OHNS 25.09.2023 13.10.2023	Dermatology 16.10.2023 03.11.2023		Urology 06.11.2023 24.11.2023		Ophth. 27.11.2023 08.12.2023		Orthopedics & PTR 11.12.2023 - 12.01.2024		Forensic Medicine 15.01.2024 26.01.2024		Midyear Reces. 29.01.2024 09.02.2024		Neurology 12.02.2024 - 08.03.2024		Neurosurgery 11.03.2024 29.03.2024		Psychiatry 01.04.2024 19.04.2024		Reces. 22.04.2024 26.04.2024		Reces. 22.04.2024 26.04.2024		Elective-2 06.05.2024-14.06.2024																	
<b>B</b>	Elective-1 28.08.2023 22.09.2023	Urology 25.09.2023 13.10.2023	OHNS 16.10.2023 03.11.2023		Psychiatry 06.11.2023 24.11.2023		Dermatology 27.11.2023 15.12.2023		Ophth. 18.12.2023 29.12.2023		Reces. 02.01.2024 05.01.2024		Reces. 02.01.2024 05.01.2024		Orthopedics & PTR 12.02.2024 - 15.03.2024		Neurology 18.03.2024 - 12.04.2024		Neurosurgery 15.04.2024 03.05.2024		Elective-2 06.05.2024-14.06.2024																					
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<b>C</b>	Orthopedics & PTR 28.08.2023 - 29.09.2023	Neurology 28.08.2023 22.09.2023	Ophth. 02.10.2023 13.10.2023		Psychiatry 16.10.2023 03.11.2023		Urology 27.11.2023 15.12.2023		Neurology 18.12.2023 - 12.01.2024		Forensic Medicine 13.02.2023 24.02.2023		Midyear Reces. 13.02.2023 24.02.2023		Neurosurgery 12.02.2024 01.03.2024		Dermatology 04.03.2024 22.03.2024		Reces. 25.03.2024 29.03.2024		Reces. 25.03.2024 29.03.2024		Ophth. 01.04.2024 05.04.2024		Elective-1 08.04.2024-03.05.2024		Elective-2 06.05.2024-14.06.2024															
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<b>D</b>	Neurology 28.08.2023 22.09.2023	Neurosurgery 25.09.2023 13.10.2023	Urology 16.10.2023 03.11.2023		Orthopedics & PTR 06.11.2023 - 08.12.2023		Psychiatry 11.12.2023 29.12.2023		Ophth. 02.01.2024 12.01.2024		Forensic Medicine 13.02.2023 24.02.2023		Midyear Reces. 13.02.2023 24.02.2023		Psychiatry 12.02.2024 01.03.2024		OHNS 04.03.2024 22.03.2024		Reces. 25.03.2024 29.03.2024		Reces. 25.03.2024 29.03.2024		Ophth. 01.04.2024 05.04.2024		Elective-1 08.04.2024-03.05.2024		Elective-2 06.05.2024-14.06.2024															
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<b>E</b>	Urology 28.08.2023 15.09.2023	Dermatology 18.09.2023 06.10.2023	Neurology 09.10.2023 03.11.2023		Neurosurgery 06.11.2023 24.11.2023		OHNS 27.11.2023 15.12.2023		Elective-1 18.12.2023 - 12.01.2024		Forensic Medicine 13.02.2023 24.02.2023		Midyear Reces. 13.02.2023 24.02.2023		Psychiatry 12.02.2024 01.03.2024		Ophth. 04.03.2024 15.03.2024		Reces. 18.03.2024 - 19.04.2024		Reces. 22.04.2024 26.04.2024		Reces. 22.04.2024 26.04.2024		Elective-2 06.05.2024-14.06.2024																	
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<b>Clerkship Name</b>	<b>Neurology</b>	<b>MED 501</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year V / 4 weeks</b>	

<b>Theoretical Hours</b>	<b>32</b>	<b>Credit</b> <b>7</b>	<b>ECTS</b> <b>6</b>
<b>Practical Hours</b>	<b>63</b>		
<b>Study Hours</b>	<b>22</b>		
<b>TOTAL (Student Workload)</b>	<b>117v</b>		

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<b>Educational Methods</b>	<b>Lectures</b> <b>Interactive learning session</b> <b>Case based learning sessions</b> <b>Clinical practice in electrophysiology laboratory</b> <b>Clinical Practice in Emergency Room, Intensive Care Room</b>
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### Clerkship Aims

This course aims to provide basic and necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of neurological diseases and preventive measures. Students will be able to perform neurological examination, interpret laboratory results, and discuss the radiological findings. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about 'patients' rights and privacy.

### Clerkship Outcomes

**By the end of this clerkship, the students will be able to:**

1. Describe anatomic localization of neurological lesion
2. Define etiological causes of neurological lesion
3. Perform neurological examination in awake and comatose patients
4. Differentiate the structural and systemic causes of consciousness disorders according to the neurological examination findings.
5. Describe symptoms and physical findings of common neurological disorders, define screening protocols of them and refer these patients to appropriate centers.
6. Define neurological emergencies and learn how to do their management in primary center
7. Diagnose stroke, identify causes of cerebrovascular diseases, take care of acute stroke in emergency room, define cerebrovascular diseases emergencies and be able to refer appropriate patients to specialized tertiary centers
8. Diagnose headache, identify causes of headache, discriminate secondary headache causes from primary ones, define red flags in headache, learn how to do management of primary headache attacks in primary center
9. Diagnose convulsion, define type of epileptic seizure, identify causes of convulsion, learn how to do management of epileptic seizure and status epilepticus in emergency room
10. Describe symptoms and physical findings of peripheral nerve disorders, define screening protocols of them and refer these patients to appropriate centers
11. Describe symptoms and physical findings of muscle disorders, define screening protocols of them and refer these patients to appropriate centers
12. Describe symptoms and physical findings of extrapyramidal system disorders, define screening protocols of them and refer these patients to appropriate centers
13. Describe symptoms and physical findings of peripheral nerve disorders, define screening protocols of them and refer these patients to appropriate centers
14. Describe symptoms and physical findings of demyelinating disorders, define screening protocols of them and refer these patients to appropriate centers
15. Describe symptoms and physical findings of dementia, define screening protocols of them and refer these patients to appropriate centers
16. Diagnose CNS infection and refer these patients to appropriate centers

<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• Structured Oral Exam (Contributes to 60% of final points)</li> <li>• Case-Based Learning Assessment (Contributes to 30% of final points)</li> <li>• Neurological Examination Assessment (Contributes to 10% of final points)</li> </ul> <p>Failure to sign in will be interpreted as absence; <math>\geq 20\%</math> absence requires repeating the course</p>
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<b>Clerkship Name</b>	<b>Neurosurgery</b>	<b>MED 502</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year V / 3 weeks</b>	

<b>Theoretical Hours</b>	<b>51</b>	<b>Credit</b> <b>5</b>	<b>ECTS</b> <b>5</b>
<b>Practical Hours</b>	<b>12</b>		
<b>Study Hours</b>	<b>30</b>		
<b>TOTAL (Student Workload)</b>	<b>93</b>		

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<b>Educational Methods</b>	<b>Described below in detail</b>
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### Clerkship Aims

To train medical students to become proficient in diagnosing and treating neurosurgical emergencies. The students shall also learn the general outline of neurosurgical pathologies, the diagnostic workup, differential diagnosis and treatment options.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

**Students must learn:**

1. History and physical on Neurosurgical patients
2. Neurological examination.
3. Basic neuroradiological examinations and diagnosis of diagnosis of neurosurgical emergencies.
4. Diagnosis and initial treatment/protection for neurosurgical emergencies and craniospinal trauma.
5. Students shall learn the general outline:
6. Diagnostic procedures in neurosurgical disease.
7. Common neurosurgical problems, their workup, differential diagnosis, treatment and outcome.

### Assessment Methods

- **Week 1:** Practical clinics and lectures at Altunizade Hospital
- **Week 2:** Practical clinics and lectures at Maslak Hospital
- **Week 3:** Practical clinics and lectures at Altunizade Hospital
- Mortality and Morbidity conference is held at Acibadem Altunizade Hospital every **Saturday 08:00-09:00** and is compulsory.
- The midterm exam is in the form of an oral presentation.
- **Form:**
- The presentation shall be prepared in the format of a scientific congress presentation.
- The presentation is prepared as an electronic power-point presentation.
- The duration is 10 minutes.
- Presentation language is English.
- Slide reading is discouraged
- **Content:**
- Presentation titles are assigned on the 1st day of the clerkship
- The student is responsible of the content
- Clinical case examples are encouraged
- Presentation of novel literature is encouraged
- **Timing:**
- Presentation is done on Monday and Tuesday on the 3rd week: Midterm exam
- A maximum of 20 points will be given based on content, proficiency, presentation, manner, language and fluidity.
- Thursday on 3rd week is Study day (1 day). Students are not obligated to attend the clinic on the day.
- Friday on 3rd week is exam-day. On the exam day all students will participate in the final written examination and the final oral examination.
- Final written examination will be in the form of a multiple-choice examination. The student is responsible for all clerkship content. 30 points will be given for 30 questions. Examination starts at 07:00. The duration is 60 minutes.
- Final oral committee examination starts at 08:30. The student is responsible for all clerkship content. 50 points will be given for at least 5 questions.

<b>Clerkship Name</b>	<b>Psychiatry</b>	<b>MED 503</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year V / 3 weeks</b>	

<b>Theoretical Hours</b>	<b>33</b>	<b>Credit</b> <b>5</b>	<b>ECTS</b> <b>5</b>
<b>Practical Hours</b>	<b>45</b>		
<b>Study Hours</b>	<b>33</b>		
<b>TOTAL (Student Workload)</b>	<b>111</b>		

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**Betül MAZLUM\***  
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**Ender CESUR\***  
*M.D., Instructor Psychiatry*

\*Visiting Professor



<b>Educational Methods</b>	<b>Theoretical lectures</b> <b>Case presentations and discussions</b> <b>Literature presentations and discussions</b>
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### Clerkship Aims

The purpose of Psychiatry Clerkship, is to provide necessary knowledge about etiology, clinical symptoms and signs, management and treatment of psychiatric disorders. Skills about psychiatric examination (mental status examination) and history taking, approaching to urgent psychiatric patient, knowledge about the relationship of psychiatric disorders with other medical conditions and differential diagnosis are aimed to be taught.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

- Obtain a psychiatric history and perform psychiatric examination (mental status examination)
- Define psychiatric symptoms and signs
- Use psychiatric terminology
- Identify and classify psychopharmacologic drugs
- Define psychosis as a concept and diagnose schizophrenia and other psychotic disorders
- Treat a psychotic patient (in acute and follow-up periods)
- Diagnose bipolar disorder, make differential diagnosis and treat a patient in an acute manic episode
- Diagnose major depressive disorder, treat a patient in depressive episode
- Diagnose anxiety disorders, make differential diagnosis and treat a patient with anxiety disorder
- Diagnose obsessive compulsive spectrum disorders
- Diagnose substance use disorders and define intoxication and withdrawal
- Define somatoform and dissociative disorders and make differential diagnosis with other medical conditions
- Define psychosocial trauma and diagnose trauma related psychiatric disorders
- Describe eating disorders
- Define psychiatric emergencies and choose appropriate intervention
- Describe personality disorders
- Define and manage psychiatric disorders seen in perinatal period
- Define consultation liaison psychiatry and related disorders
- Define psychiatric disorders seen in childhood and adolescence and choose appropriate intervention
- Have an opinion about psychotherapies and psychologic tests
- Have ability to read and analyse medical literature in psychiatry

<b>Assessment Methods</b>	<p>≥20% absence requires repeating the course</p> <p>Attendance to the inpatient clinic of Bakirkoy Mazhar Osman Mental Health and Neurological Diseases Education and Research Hospital (BRSHH) is compulsory</p> <p><b>Clinical assessment</b> (By discussion of relevant cases. Contributes to 20% of final points)</p> <p><b>Final exam</b> (Structured oral exam including 8 questions, contributes to 80% of final points)</p>
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### Clerkship Timetable

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>Week 1</b>	ACU	ACU	ACU	ACU	ACU
<b>Week 2</b>	Inpatient Clinic	Inpatient Clinic	Inpatient Clinic	Inpatient Clinic	Inpatient Clinic
<b>Week 3</b>	ACU	ACU	ACU	ACU	ACU

<b>Clerkship Name</b>	<b>Otolaryngology - Head And Neck Surgery</b>	<b>MED 504</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year V / 3 weeks</b>	

<b>Theoretical Hours</b>	<b>30</b>	<b>Credit</b> <b>5</b>	<b>ECTS</b> <b>5</b>
<b>Practical Hours</b>	<b>72</b>		
<b>Study Hours</b>	<b>0</b>		
<b>TOTAL (Student Workload)</b>	<b>102</b>		

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<b>Educational Methods</b>	Theoretical lectures, Practice in outpatient clinics and operating theatre
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### Clerkship Aims

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of otorhinolaryngological diseases

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

1. Be familiar to head and neck anatomy
2. Perform basic otorhinolaryngological examination
3. Describe the symptoms and physical findings of common otorhinolaryngological diseases
4. Diagnose and treat the common upper airway infections and ear infections
5. Recognize and define the upper airway emergencies
6. Recognize the hearing loss and facial paralysis
7. Define maxillofacial traumas
8. Recognize and describe the symptoms and physical findings of common head and neck cancers
9. Differentiate benign and malignant otorhinolaryngological diseases

<b>Assessment Methods</b>	Written examination (40 %) Structured Oral Exam (40 %) CBL (20 %)
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<b>Clerkship Name</b>	<b>Ophthalmology</b>	<b>MED 505</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year V / 2 weeks</b>	

<b>Theoretical Hours</b>	<b>18</b>	<b>Credit</b> <b>4</b>	<b>ECTS</b> <b>3</b>
<b>Practical Hours</b>	<b>68</b>		
<b>Study Hours</b>	<b>10</b>		
<b>TOTAL (Student Workload)</b>	<b>96</b>		

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<b>Educational Methods</b>	<b>Theoretical lectures</b> <b>Interactive learning sessions and CBL</b> <b>CASE</b> <b>Practice in the examination room, operating room and laser room</b>
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### Clerkship Aims

This clerkship aims to provide knowledge about the anatomy of the eye, etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of ophthalmic diseases, eye tests and preventive measures.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

1. Define anatomic structures of the eye and their functions
2. Perform basic biomicroscopy and fundus examination
3. Describe refractive errors and their treatment
4. Diagnose eye lid disorders and nasolacrimal duct obstruction, summarize their treatment options and treat particular cases
5. Make differential diagnosis of pink eye, and treat allergic and bacterial conjunctivitis
6. Describe symptoms and signs of cataracts and summarize treatment options
7. Describe symptoms and signs of glaucoma and summarize treatment options
8. Describe symptoms and signs of ocular/orbital tumors and uveitis, and summarize their treatment options
9. Describe symptoms and signs of retinal diseases, and summarize treatment options Diagnose strabismus and summarize treatment options
10. Describe common neuro-ophthalmological pathologies and summarize their treatment options
11. Diagnose penetrating eye trauma, define management of eye trauma
12. Diagnose and perform the first line treatment of chemical injuries of the eye
13. Perform visual field examination by confrontation
14. List and define all advanced eye tests, and comment on particular eye tests
15. Differentiate which patients are to be referred to tertiary centers for eye diseases

<b>Assessment Methods</b>	Clinical performance assessment (10%) CASE (5%), CBL (5%) Written examination (50%) Structured oral examinations (30%)
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<b>Clerkship Name</b>	<b>Dermatology</b>	<b>MED 506</b>
<b>Clerkship Type</b>	<b>Compulsory</b>	
<b>Medium of Instruction</b>	<b>English</b>	
<b>Year / Duration</b>	<b>Year V / 3 weeks</b>	

<b>Theoretical Hours</b>	<b>42</b>	<b>Credit</b> <b>5</b>	<b>ECTS</b> <b>5</b>
<b>Practical Hours</b>	<b>63</b>		
<b>Study Hours</b>	<b>13</b>		
<b>TOTAL (Student Workload)</b>	<b>118</b>		

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<b>Educational Methods</b>	<b>Lectures</b> <b>Interactive learning session.</b> <b>Practice in outpatient clinics.</b>
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### Clerkship Aims

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of dermatological diseases and preventive measures. Students will be able to interpret laboratory results, findings of dermatological examinations and perform several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about 'patients' rights and privacy.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

1. Use the language of dermatology to effectively and accurately describe skin conditions and lesions.
2. Define common dermatological terms and primary/secondary skin lesions and recognize configuration of common skin lesions such as annular, dermatomal, linear etc.
3. To have focused history for dermatological conditions, demonstrate physical and dermatological examinations, and oral presentations suitable for the skin.
4. Outline a basic approach to the diagnosis and management of common skin conditions such as atopic dermatitis, psoriasis, and seborrheic dermatitis.
5. To differentiate and approach bacterial, viral, fungal and parasitic infections.
6. Apply the basic principles and practice of oral and topical dermatologic therapy including the appropriate use of emollients, topical steroids, antipruritic therapies, and systemic immunosuppressants
7. Correctly identify common skin tumors such as basal cell carcinoma, squamous cell carcinoma, and melanoma; outline basic management plans including the method of biopsy, appropriate surgical management, and patient follow up intervals.
8. Recognize potentially life-threatening skin diseases such as serious drug eruptions, toxic epidermal necrolysis, and autoimmune blistering disorders.
9. Successfully demonstrate essential dermatologic diagnostic procedures including KOH examination, scabies prep, and observe shave biopsy, and punch biopsy of the skin

<b>Assessment Methods</b>	Failure to sign in will be interpreted as absence; $\geq 20\%$ absence requires repeating the course, General course assessment (Absence/attendance and active cooperation during course. Contributes to 20 % of final points.) Clinical assessment (Descriptions and discussion of relevant cases. Contributes to 20 % of final points.) Structured oral exam (contributes to 60 % of final points)
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<b>Clerkship Name</b>	<b>Orthopedics And Traumatology, Physical Medicine And Rehabilitation</b>	<b>MED 508</b>
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<b>Clerkship Type</b>	<b>Compulsory</b>
<b>Medium of Instruction</b>	<b>English</b>
<b>Year / Duration</b>	<b>Year V / 5 weeks</b>

<b>Theoretical Hours</b>	<b>24</b>	<b>Credit</b> <b>8</b>	<b>ECTS</b> <b>8</b>
<b>Practical Hours</b>	<b>108</b>		
<b>Study Hours</b>	<b>0</b>		
<b>TOTAL (Student Workload)</b>	<b>132</b>		

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\*Visiting Professor



<b>Educational Methods</b>	<b>Lectures</b> <b>Problem based learning session (PBL)</b> <b>Skill training in Center of Advanced Simulation &amp; Education (CASE)</b> <b>Practice in clinics</b> <b>Practice in emergency room</b> <b>Practice in operation room</b>
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### Clerkship Aims

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis, treatment, rehabilitation and physical therapy modalities and preventive measures of musculoskeletal system diseases and trauma.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

#### **Orthopedics and Traumatology**

1. Perform basic musculoskeletal system examination and define common abnormalities
2. Diagnose common musculoskeletal system diseases
3. Identify traumatic injuries
4. Choose imaging techniques to diagnose musculoskeletal system disorders and assess x-rays
5. Obtain basic principles of differential diagnosis in musculoskeletal system disorders by processing the clinical, laboratory, radiological findings
6. List common complications of fractures and dislocations and basic management principles
7. Perform basic splinting and bandaging techniques, manage to transfer trauma patients in optimal conditions
8. Perform basic hip and extremity examination of a newborn
9. Describe common sports injuries and summarize their treatment options
10. Describe symptoms and physical findings of common musculoskeletal cancers, define screening protocol and refer these patients to appropriate centers
11. Define diagnostic criteria of musculoskeletal system infections, explain the principles of their management
12. Students are recommended to contact the responsible attending for each location at the Department of Orthopaedics and Traumatology, respectively

#### **Physical Medicine and Rehabilitation**

1. Learn definition, classification and measurement of pain; get familiar with principles of
2. Treatment of pain and WHO pain ladder, write a prescription for analgesics.
3. Be able to list differential diagnosis of neck and low back pain and able to examine a patient encountered with such complaints.
4. Define the most common etiologies of pain for upper and lower extremity joints (shoulder, elbow, wrist, hip, knee, ankle and joints of the hand and feet) and treatment principles.
5. Able to make the differential diagnosis for degenerative and inflammatory disorders.
6. Able to make a diagnosis of osteoarthritis and inform the patient about treatment and prognosis.
7. Develop a general sense of rehabilitation concepts and how rehabilitation can be applied to
8. Different patient populations (pediatrics, geriatrics, pulmonary and cardiovascular problems, etc.).
9. Get familiar with orthotics and prosthetics and learn the rationale of use for such devices.
10. Define osteoporosis and list the major groups of medication used for the treatment.
11. Able to show anatomic landmarks of musculoskeletal anatomy
12. Define common inflammatory disorders of musculoskeletal system, get familiar with criteria for inflammatory disorders.

<b>Assessment Methods</b>	<table border="1" style="width: 100%;"> <tr> <td>Oral Exam</td> <td>(60 points)</td> <td></td> </tr> <tr> <td>Mini – CEX</td> <td>(5 points)</td> <td></td> </tr> <tr> <td>CBL</td> <td>(15 points)</td> <td></td> </tr> <tr> <td>CASE</td> <td>(20 points)</td> <td><b>TOTAL: 100</b></td> </tr> </table> <p>√ Individuals with &gt;20% absence in lectures, skill trainings and practices will fail and must repeat this course.</p> <p>√ Minimum point to complete the clerkship successfully is 60.</p>	Oral Exam	(60 points)		Mini – CEX	(5 points)		CBL	(15 points)		CASE	(20 points)	<b>TOTAL: 100</b>
Oral Exam	(60 points)												
Mini – CEX	(5 points)												
CBL	(15 points)												
CASE	(20 points)	<b>TOTAL: 100</b>											

<b>Clerkship Name</b>	<b>Forensic Medicine</b>	<b>MED 509</b>
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<b>Clerkship Type</b>	<b>Compulsory</b>
<b>Medium of Instruction</b>	<b>English</b>
<b>Year / Duration</b>	<b>Year V / 2 weeks</b>

<b>Theoretical Hours</b>	<b>48</b>	<b>Credit</b> <b>4</b>	<b>ECTS</b> <b>3</b>
<b>Practical Hours</b>	<b>18</b>		
<b>Study Hours</b>	<b>10</b>		
<b>TOTAL (Student Workload)</b>	<b>76</b>		

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<b>Educational Methods</b>	<b>Theoretical lecture</b> <b>Interactive learning session</b> <b>Practice in the autopsy</b>
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### Clerkship Aims

This course aims to provide knowledge about the forensic medical procedure, autopsy, death, wounds, child abuse, domestic violence, physicians' legal responsibilities, medical malpractice.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

1. Identify problems dealing with forensic medicine and resolve that problems using with correctly applied different concepts.
2. Define forensic medicine and how forensic medicine works,
3. Describe differences between forensic science and forensic medicine
4. Diagnose forensic cases, perform forensic medical procedure,
5. Perform a proper forensic report
6. Define autopsy procedure and autopsy types,
7. Describe what does death mean, types of death, early and late evidences of the death, organ transplantation procedure
8. Describe forensic psychiatric principles
9. Describe what does domestic violence mean, types of domestic violence, the results of domestic violence
10. Describe what does violence against women mean, types of violence against women, the results of violence against women
11. Describe what does child abuse mean, types of child abuse, the results of child abuse
12. Define medical malpractice and to list types of medical malpractice
13. Analyze the relationship between forensic cases and penal codes
14. Describe classification of wounds, diagnose different types of wounds
15. Define what does asphyxia mean, types of asphyxia, evidences of asphyxia and to make differential diagnosis different types of asphyxia

<b>Assessment Methods</b>	Written examination-30 CBL-20 Forensic report written examination-40 One question quizzes-10
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<b>Clerkship Name</b>	<b>Urology</b>	<b>MED 511</b>
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<b>Clerkship Type</b>	<b>Compulsory</b>
<b>Medium of Instruction</b>	<b>English</b>
<b>Year / Duration</b>	<b>Year V / 3 weeks</b>

<b>Theoretical Hours</b>	<b>23</b>	<b>Credit</b> <b>5</b>	<b>ECTS</b> <b>5</b>
<b>Practical Hours</b>	<b>81</b>		
<b>Study Hours</b>	<b>0</b>		
<b>TOTAL (Student Workload)</b>	<b>104</b>		

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<b>Educational Methods</b>	<b>Lectures</b> <b>Interactive learning session.</b> <b>Practice in outpatient clinics.</b>
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### Clerkship Aims

This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of male and female urogenital diseases and preventive measures. Students will be able to interpret laboratory results, findings of radiological examinations and perform several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about 'patients' rights and privacy.

### Clerkship Outcomes

By the end of this clerkship, the students will be able to:

- Diagnose renal colic and define treatment options
- Make differential diagnosis of hematuria
- Define urinary retention and obstruction
- Diagnose urinary stone disease and define basic treatment options
- List symptoms of common urological cancers and diagnose these conditions
- Diagnose common urological emergencies and explain their principle management
- Diagnose erectile dysfunction
- Diagnose enuresis nocturna and summarize basic treatment options
- Obtain basic principles of pediatric urology
- Diagnose and treat patients with sexually transmitted diseases
- Describe the role of PSA in urological screening
- Diagnose and treat urinary infection
- Perform digital rectal examination
- Perform examination of the testicles
- Perform urethral catheterization

<b>Assessment Methods</b>	Failure to sign in will be interpreted as absence; $\geq 20$ % absence requires repeating the course, Clinical performance assessment (30%) Structured written exam (contributes to 70 % of final points)
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**ELECTIVE CLERKSHIPS (2023-2024)**

Code	Clerkship	Türkçe Adı	Coordinator	National Credits	ACTS	Dates		
						28.08.2023	18.12.2023	08.04.2024
						22.09.2023	12.01.2024	03.05.2024
MED 566	Anesthesiology	Anesteziyoloji	Prof. Fevzi Toraman (Altunizade)	6	6	4	4	4
MED 562	Cardiology	Kardiyoloji	Prof. Burak Pamukçu (Kozyatağı)	6	6	2	0	0
MED 562	Cardiology	Kardiyoloji	Assoc.Prof.Selçuk Görmez (Ataşehir)	6	6	0	1	1
MED 562	Cardiology	Kardiyoloji	Instructor Mustafa Ertuğrul Mercan (Atakent)	6	6	2	2	2
MED 567	Dermatology	Dermatoloji	Prof.Sedef Şahin (Maslak)	6	6	0	0	1
MED 567	Dermatology	Dermatoloji	Assist.Prof. Ceyda Çaytemel (Altunizade)	6	6	0	1	0
MED 567	Dermatology	Dermatoloji	Instructor Gonca Saraç Öztürk (Maslak)	6	6	0	0	1
MED 567	Dermatology	Dermatoloji	Assoc.Prof.Özgür Timurkaynak (Altunizade)	6	6	0	1	0
MED 567	Dermatology	Dermatoloji	Assist.Prof.Deniz Demircioğlu (Maslak)	6	6	1	0	0
MED 567	Dermatology	Dermatoloji	Assoc.Prof.Andaç Salman (Altunizade)	6	6	0	1	0
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Prof.Ersin Ereğ (Atakent)	6	6	1	1	1
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Prof. Şahin Şenay (Maslak)	6	6	1	1	1
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc. Prof. A.Ümit Güllü (Maslak)	6	6	1	1	1
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc. Prof. Ahmet Arnaz (Bakırköy)	6	6	1	1	1
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc. Prof.Murat Ökten (Altunizade)	6	6	1	1	1
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc.Prof. Selim Aydın (Atakent)	6	6	1	1	1
MED 571	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc.Prof. Bahar Temur (Atakent)	6	6	1	1	1
MED 573	Medical Biochemistry	Klinik Biyokimya	Prof.Aysel Özpınar , Prof. Mustafa Serteser	6	6	5	5	5
MED 560	Emergency Medicine	Acil Tıp	Assist.Prof. Cem Gün (Atakent)	6	6	2	2	2
MED 560	Emergency Medicine	Acil Tıp	Assist.Prof. Hasan Aldinç (Atakent)	6	6	1	1	1
MED 563	Family Medicine (Birinci basamakta saha araştırması)	Aile Hekimliği	Prof. Pınar Topsever	6	6	0	2	2
MED 554	General Surgery	Genel Cerrahi	Prof.Cihan Uras (Maslak)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Prof. Bilgi Baca ( Altunizade)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Assoc. Prof. Volkan Özben (Atakent)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Prof.Tayfun Karahasanoğlu (Maslak)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Instructor Güralp Onur Ceyhan(Altunizade)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Instructor Güralp Onur Ceyhan(Maslak)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Assoc.Prof. Erman Aytaç(Atakent)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Assoc.Prof.İsmail Ahmet Bilgin (Maslak)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Prof. İsmail Hamzaoğlu (Maslak)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Assoc.Prof.Halil Kara (Maslak)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Assoc. Prof.Utku Yılmaz (Atakent)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Instructor Onur Dülgeroğlu (Atakent)	6	6	1	1	1
MED 554	General Surgery	Genel Cerrahi	Assoc. Prof. Akif Enes Arıkan (Maslak)	6	6	1	1	0
MED 554	General Surgery	Genel Cerrahi	Instructor Emir Çapkınoğlu (Bakırköy)	6	6	1	1	0
MED 551	Internal Diseases-Infectious	İç Hastalıkları-Enfeksiyon	Prof. İftihar Köksal (Atakent)	6	6	0	2	0
MED 551	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof. Gurhan Sisman (Altunizade)	6	6	2	2	2
MED 551	Internal Diseases-Nephrology	İç Hastalıkları-Nefroloji	Assoc.Prof.Borçak Çağlar Ruhi (Atakent)	6	6	1	1	1
MED 551	Internal Diseases - Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof. Şafak Kızıldağ (Kozyatağı)	6	6	1	1	1
MED 551	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof.Nurdan Tözün (Altunizade)	6	6	0	1	0
MED 551	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof.Gürhan Şişman (Altunizade)	6	6	2	2	2
MED 551	Internal Diseases-Hematology	İç Hastalıkları-Hematoloji	Prof.Mustafa Çetiner (Maslak)	6	6	2	2	2
MED 551	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof.Başak Oyan Uluç (Altunizade, Maslak)	6	6	1	0	0
MED 551	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof. İbrahim Yıldız (Atakent)	6	6	1	0	0
MED 551	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof.Gül Başaran (Altunizade)	6	6	0	1	0
MED 551	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof. Can Gönen (Kozyatağı)	6	6	1	1	1

MED 551	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof.Fatih Oğuz Önder(Atakent)	6	6	1	1	1
MED 551	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Assist.Prof. Özdal Ersoy (Atakent)	6	6	1	0	0
MED 551	Internal Diseases--Geriatrics	İç Hastalıkları-Geriatri	Prof. Berrin Karadağ	6	6	2	2	2
MED 551	Internal Diseases-Endocrinology	İç Hastalıkları-Endokrinoloji	Prof.Rüştü Serter (Fulya)	6	6	0	1	1
MED 551	Internal Diseases-Endocrinology	İç Hastalıkları-Endokrinoloji	Prof. İnan Anaforoğlu (Maslak)	6	6	1	1	1
MED 551	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof. Özlem Sönmez (Altunizade, Maslak)	6	6	1	0	0
MED 594	Neurology	Nöroloji	Prof.Murat Aksu (Atakent)	6	6	1	1	1
MED 572	Nuclear Medicine	Nükleer Tıp	Prof. Erkan Vardareli (Altunizade)	6	6	0	1	0
MED 572	Nuclear Medicine	Nükleer Tıp	Assist. Prof. Levent Guner (Maslak)	6	6	1	0	1
MED 592	Otolaryngology - Head and Neck Surgery	Kulak Burun Boğaz - Baş ve Boyun Cerrahisi	Assoc. Prof. Deniz Tuna Edizer (Atakent)	6	6	1	1	0
MED 592	Otolaryngology - Head and Neck Surgery	Kulak Burun Boğaz - Baş ve Boyun Cerrahisi	Assist. Prof. Alper Özdilek (Maslak)	6	6	3	3	0
MED 595	Ophtalmology	Göz Hastalıkları	Prof.Banu Coşar (Maslak)	6	6	0	0	1
MED 595	Ophtalmology	Göz Hastalıkları	Assoc. Prof. Ebru Bahadır (Maslak)	6	6	1	1	1
MED 595	Ophtalmology	Göz Hastalıkları	Prof.Berna Özkan (Ataşehir)	6	6	1	1	1
MED 595	Ophtalmology	Göz Hastalıkları	Prof.Ali Rıza Cenk Çelebi (Atakent)	6	6	1	1	1
MED 578	Orthopedics	Ortopedi	Prof.Barış Kocaoğlu (Altunizade)	6	6	1	1	1
MED 578	Orthopedics	Ortopedi	Prof.Ahmet Alanay (Maslak/ Altunizade)	6	6	1	1	1
MED 578	Orthopedics	Ortopedi	Assoc. Prof. Kerim Sarıyılmaz (Atakent)	6	6	1	1	1
MED 578	Orthopedics	Ortopedi	Prof. Arel Gereli(Altunizade)	6	6	1	1	1
MED 557	Pediatric Hematology-Oncology	Pediyatrik Hematoloji-Onkoloji	Assoc.Prof. Ayşe Burcu Akıncı	6	6	0	1	0
MED 583	Pediatrics	Pediyatri	Assist.Prof.Saygın Abalı	6	6	0	1	1
MED 583	Pediatrics	Pediyatri	Assist.Prof. H. Tarkan İkiçoğlu	6	6	1	0	0
MED 555	Plastic Reconstructive & Aesthetic Surgery	Plastik Rekonstrüktif & Estetik Cerrahi	Assist. Prof. K. Berkhan YILMAZ(Ataşehir)	6	6	1	1	1
MED 581	Radiation Oncology	Radyasyon Onkolojisi	Prof. Ufuk Abacıoğlu (Altunizade)	6	6	1	1	1
MED 587	Psychiatry	Psikiyatri	Assoc. Prof. Burcu Yavuz (Maslak)	6	6	0	1	0
MED 587	Psychiatry	Psikiyatri	Assist. Prof. Ender Cesur (Maslak)	6	6	0	1	1
MED 587	Psychiatry	Psikiyatri	Assist. Prof. Barış Sancak (Atakent)	6	6	1	1	1
MED 587	Psychiatry	Psikiyatri	Assoc. Prof.Ürün Özer Ağırbaş (Atakent)	6	6	0	1	1
MED 579	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Prof. Belgin Selam (Altunizade)	6	6	0	1	2
MED 579	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Assoc.Prof. Turgut Aydın (Atakent)	6	6	1	1	1
MED 579	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Prof. Mete Güngör (Maslak)	6	6	2	2	2
MED 579	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Instructor Esra Özbaşı (Maslak)	6	6	1	1	1
MED 579	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Assist.Prof. Selin Özeltin (Maslak)	6	6	1	1	1
MED 586	Radiology	Radyoloji	Prof. Erkin Arıbal (Altunizade)	6	6	1	1	1
MED 586	Radiology	Radyoloji	Prof.Gül Esen İçten (Maslak)	6	6	0	0	1
MED 586	Radiology	Radyoloji	Prof. Özlem Barutçu (Bakırköy)	6	6	0	0	2
MED 586	Radiology	Radyoloji	Prof. Ercan Karaarslan (Maslak)	6	6	2	2	2
MED 515	Pediatric Surgery	Çocuk Cerrahisi	Prof. Burak Tander (Altunizade, Atakent)	6	6	1	1	1
MED 515	Pediatric Surgery	Çocuk Cerrahisi	Prof. Muazzez Çevik (Atakent)	6	6	1	1	1
MED 575	Molecular Research Methods	Moleküler Araştırma Yöntemleri	Prof. Tanıl Kocagöz	6	6	1	1	1
MED 575	Molecular Research Methods	Moleküler Araştırma Yöntemleri	Assist. Prof. Sinem Öktem Okullu	6	6	1	1	1
MED 575	Molecular Research Methods	Moleküler Araştırma Yöntemleri	Prof. Özgür Kurt ( Parasitology)	6	6	1	1	1
MED 598	Medical Education	Tıp Eğitimi	Assoc. Prof. Levent Altıntaş	6	6	0	2	2
MED 687	Peer Training Programme	Akran Eğitimi Programı	Assist. Prof. Dilek Kitapçioğlu	6	6	6		
						91	96	88

**ELECTIVE CLERKSHIPS (2023-2024)**

Code	Clerkship	Türkçe Adı	Coordinator	National Credits	ACTS	Dates
						06.05.2024 - 14.06.2024
MED 5660	Anesthesiology	Anesteziyoloji	Prof. Fevzi Toraman	9	9	4
MED 5620	Cardiology	Kardiyoloji	Instructor Mustafa Ertuğrul Mercan (Atakent)	9	9	2
MED 5670	Dermatology	Dermatoloji	Prof.Dilek Bıyık Özkaya (Atakent)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Prof.Ersin Ereğ (Atakent)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Prof. Şahin Şenay (Maslak)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Prof. A.Ümit Güllü (Maslak)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc. Prof. Ahmet Arnaz (Bakırköy)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc. Prof.Murat Ökten (Altunizade)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc.Prof. Selim Aydın (Atakent)	9	9	1
MED 5710	Cardiovascular Surgery	Kalp ve Damar Cerrahisi	Assoc.Prof. Bahar Temur (Atakent)	9	9	1
MED 5730	Medical Biochemistry	Klinik Biyokimya	Prof.Aysel Özpınar , Prof. Mustafa Serteser	9	9	5
MED 5600	Emergency Medicine	Acil Tıp	Assist.Prof. Cem Gün (Atakent)	9	9	2
MED 5600	Emergency Medicine	Acil Tıp	Assist.Prof. Hasan Aldinç (Atakent)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Prof.Cihan Uras (Maslak)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Prof. Bilgi Baca ( Altunizade)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Assoc. Prof. Volkan Özben (Atakent)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Prof.Tayfun Karahasanoğlu (Maslak)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Instructor Güralp Onur Ceyhan(Altunizade)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Instructor Güralp Onur Ceyhan(Maslak)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Assoc.Prof. Erman Aytaç(Atakent)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Assoc.Prof.İsmail Ahmet Bilgin (Maslak)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Prof. İsmail Hamzaoğlu (Maslak)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Assoc.Prof.Halil Kara (Maslak)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Assoc. Prof.Utku Yılmaz (Atakent)	9	9	1
MED 5540	General Surgery	Genel Cerrahi	Instructor Onur Dülgeroğlu (Atakent)	9	9	1
MED 5510	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof. Gurhan Sisman (Altunizade)	9	9	2
MED 5510	Internal Diseases-Nephrology	İç Hastalıkları-Nefroloji	Assoc.Prof.Borçak Çağlar Ruhi	9	9	1
MED 5510	Internal Diseases - Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof. Şafak Kızıldaş	9	9	1
MED 5510	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof.Gürhan Şişman (Altunizade)	9	9	2
MED 5510	Internal Diseases-Hematology	İç Hastalıkları-Hematoloji	Prof.Mustafa Çetiner	9	9	2
MED 5510	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof. İbrahim Yıldız	9	9	1
MED 5510	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Assist.Prof. Mehmet Karaaslan	9	9	1
MED 5510	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof.Leyla Özer	9	9	1
MED 5510	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Assoc.Prof. Suna Yapalı	9	9	1
MED 5510	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Prof. Can Gönen	9	9	1
MED 5510	Internal Diseases-Gastroenterology	İç Hastalıkları-Gastroenteroloji	Assist.Prof. Özdal Ersoy	9	9	1
MED 5510	Internal Diseases--Geriatrics	İç Hastalıkları-Geriatri	Prof. Berrin Karadağ	9	9	2
MED 5510	Internal Diseases-Endocrinology	İç Hastalıkları-Endokrinoloji	Prof. İnan Anaforoğlu	9	9	1
MED 5510	Internal Diseases-Oncology	İç Hastalıkları-Onkoloji	Prof. Özlem Sönmez	9	9	1
MED 5940	Neurology	Nöroloji	Prof.Murat Aksu (Nöroloji)	9	9	1
MED 5720	Nuclear Medicine	Nükleer Tıp	Assist. Prof. Levent Guner	9	9	1
MED 5920	Otolaryngology - Head and Neck Surgery	Kulak Burun Boğaz -Baş ve Boyun Cerrahisi	Assoc. Prof. Deniz Tuna Edizer (Atakent)	9	9	1
MED 5920	Otolaryngology - Head and Neck Surgery	Kulak Burun Boğaz -Baş ve Boyun Cerrahisi	Assist. Prof. Alper Özdilek (Maslak)	9	9	3
MED 5950	Ophthalmology	Göz Hastalıkları	Assoc. Prof.Ebru Bahadır	9	9	1
MED 5950	Ophthalmology	Göz Hastalıkları	Prof.Berna Özkan	9	9	1
MED 5950	Ophthalmology	Göz Hastalıkları	Prof.Ali Rıza Cenk Çelebi	9	9	1
MED 5780	Orthopedics	Ortopedi	Prof.Bariş Kocaoğlu (Altunizade)	9	9	1
MED 5780	Orthopedics	Ortopedi	Prof.Ahmet Alanay	9	9	1
MED 5780	Orthopedics	Ortopedi	Assoc. Prof. Kerim Sarıyılmaz (Atakent)	9	9	1
MED 5780	Orthopedics	Ortopedi	Prof. Arel Gereli(Altunizade)	9	9	1
MED 5570	Pediatric Hematology-Oncology	Pediyatrik Hematoloji-Onkoloji	Assist.Prof. Fatma Demir Yenigürbüz	9	9	1
MED 5830	Pediatrics	Pediyatri	Assist.Prof.Saygın Abalı	9	9	1



MED 5550	Plastic Reconstructive & Aesthetic Surgery	Plastik Rekonstrüktif & Estetik Cerrahi	Assist. Prof. K. Berkhan YILMAZ (Ataşehir)	9	9	1
MED 5810	Radiation Oncology	Radyasyon Onkolojisi	Prof. Ufuk Abacıoğlu (Altunizade)	9	9	1
MED 5870	Psychiatry	Psikiyatri	Assoc. Prof. Burcu Yavuz (Maslak)	9	9	1
MED 5870	Psychiatry	Psikiyatri	Assist. Prof. Ender Cesur (Maslak)	9	9	1
MED 5870	Psychiatry	Psikiyatri	Assist. Prof. Barış Sancak (Atakent)	9	9	1
MED 5870	Psychiatry	Psikiyatri	Assoc. Prof. Ürün Özer Ağırbaş (Atakent)	9	9	1
MED 5790	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Prof. Belgin Selam (Altunizade)	9	9	1
MED 5790	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Prof. Serkan Erkanlı (Altunizade)	9	9	1
MED 5790	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Assoc. Prof. Turgut Aydın (Atakent)	9	9	1
MED 5790	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Prof. Yiğit Çakıroğlu (Maslak)	9	9	2
MED 5790	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Prof. Mete Güngör	9	9	3
MED 5790	Obstetrics and Gynecology	"Kadın Hastalıkları ve Doğum"	Assist. Prof. Selin Özaltın (Maslak)	9	9	1
MED 5860	Radiology	Radyoloji	Prof. Erkin Arıbal (Altunizade)	9	9	1
MED 5860	Radiology	Radyoloji	Prof. Gül Esen İçten	9	9	1
MED 5860	Radiology	Radyoloji	Prof. Ercan Karaarslan (Maslak)	9	9	2
MED 5150	Pediatric Surgery	Çocuk Cerrahisi	Prof. Burak Tander (Altunizade, Atakent)	9	9	1
MED 5150	Pediatric Surgery	Çocuk Cerrahisi	Prof. Muazzez Çevik (Atakent)	9	9	1
MED 5220	Biostatistics and Medical Informatics	Biyoistatistik ve Medikal İformatik	Prof. Uğur Sezerman	9	9	3
MED 5750	Molecular Research Methods	Moleküler Araştırma Yöntemleri	Prof. Tanıl Kocagöz	9	9	1
MED 5750	Molecular Research Methods	Moleküler Araştırma Yöntemleri	Assist. Prof. Sinem Öktem Okullu	9	9	1
MED 5750	Molecular Research Methods	Moleküler Araştırma Yöntemleri	Prof. Özgür Kurt (Parasitology)	9	9	1
						94

YEAR  
**VI**



## YEAR 6 INTERNSHIP PROGRAMS (2023-2024)

CODE	CLERKSHIP	DEPARTMENTS	Duration (Weeks)	Theoretical Hours				Practical Hours				Instructional Time	Study Time	TOTAL (Student workload)	National Credits	ECTS
				Lecture	SCLA	Sub Total	Lab study	Field study	Simulated Clinical Practice	Clinical Practice	Sub Total					
MED 601	Internal Medicine	Internal Medicine	8								240	240	120	360	8	9
MED 602	General Surgery	General Surgery	4								120	120	60	180	4	4
MED 603	Pediatrics	Pediatrics	8								240	240	120	360	8	9
MED 604	Obstetrics & Gynecology	Obstetrics & Gynecology	4								120	120	60	180	4	4
MED 605	Psychiatry	Psychiatry	3								90	90	45	135	3	3
MED 606	Community Health & Primary Care	Public Health Family Medicine	8					240				240	120	360	8	10
MED 607	Emergency Medicine	Emergency Medicine	8						45		195	240	120	360	8	10
MED 608	Simulated Clinical Practice		1						45			45		45	1	1
MED 6001 MED 6002	Elective Internship Program	All Departments	8								240	240	120	360	8	10
<b>TOTAL</b>			<b>52</b>					<b>240</b>	<b>90</b>	<b>1245</b>	<b>1575</b>	<b>765</b>	<b>2340</b>	<b>52</b>	<b>60</b>	

**SCLA:** Student Centered Learning Activities (Problem-Based Learning (PBL), Team Based learning (TBL), Case Based Learning (CBL), Flipped Classroom, Workshops.)

**Field Study:** Site visits, Studies in the community, Working in primary care.

**Lab Study:** Practices in Basic Science and Computer Labs.

**Simulated Clinical Practice:** Practices in clinical skills labs. (CASE)

**Clinical Practice:** Bed side, Outpatient clinic, Operation room.

**Study Time:** Self Directed Learning, Preparation.

YEAR VI 2023- 2024 CLERKSHIP PROGRAM																																																				
Groups	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
A	Obstetrics & Gynecology 03.07.2023 - 30.07.2023	Sim. 31.07.2023 - 06.08.2023	Pediatrics 07.08.2023 - 01.10.2023		Community Health & PHC 02.10.2023-26.11.2023		Emergency Medicine 27.11.2023 - 21.01.2024		Psychiatry 22.01.2024 - 11.02.2024		General Surgery 12.02.2024 - 10.03.2024		Internal Medicine 11.03.2024 - 05.05.2024		Elective-1 06.05.2024 - 02.06.2024		Elective-2 03.06.2024 - 30.06.2024																																			
	Psychiatry 03.07.2023 - 23.07.2023	Sim. 24.07.2023 - 30.07.2023	Community Health & PHC 31.07.2023 - 24.09.2023		Obstetrics & Gynecology 25.09.2023 - 22.10.2023		Internal Medicine 18.12.2023-11.02.2024		Emergency Medicine 12.02.2024-07.04.2024		General Surgery 08.04.2024 - 05.05.2024		Elective-1 06.05.2024 - 02.06.2024		Elective-2 03.06.2024 - 30.06.2024																																					
B	Sim. 03.07.2023 - 09.07.2023	Emergency Medicine 10.07.2023 - 03.09.2023		General Surgery 04.09.2023 - 01.10.2023		Internal Medicine 02.10.2023 - 26.11.2023		Obstetrics & Gynecology 27.11.2023 - 24.12.2023		Psychiatry 25.12.2023 - 14.01.2024		Pediatrics 15.01.2024-10.03.2024		Community Health & PHC 11.03.2024 - 05.05.2024		Elective-1 06.05.2024 - 02.06.2024		Elective-2 03.06.2024 - 30.06.2024																																		
	Sim. 03.07.2023 - 09.07.2023	Emergency Medicine 10.07.2023 - 03.09.2023		General Surgery 04.09.2023 - 01.10.2023		Internal Medicine 02.10.2023 - 26.11.2023		Obstetrics & Gynecology 27.11.2023 - 24.12.2023		Psychiatry 25.12.2023 - 14.01.2024		Pediatrics 15.01.2024-10.03.2024		Community Health & PHC 11.03.2024 - 05.05.2024		Elective-1 06.05.2024 - 02.06.2024		Elective-2 03.06.2024 - 30.06.2024																																		
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D	Internal Medicine 03.07.2023 - 27.08.2023	Obstetrics & Gynecology 28.08.2023 - 24.09.2023		Sim. 25.09.2023 - 01.10.2023		Emergency Medicine 02.10.2023 - 26.11.2023		General Surgery 27.11.2023 - 24.12.2023		Community Health & PHC 25.12.2023 - 18.02.2024		Psychiatry 19.02.2024 - 10.03.2024		Pediatrics 11.03.2024 - 05.05.2024		Elective-1 06.05.2024 - 02.06.2024		Elective-2 03.06.2024 - 30.06.2024																																		
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Sim: Simulated Clinical Practice

Clerkship

Internal Medicine

MED 601

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b> <b>8</b>	<b>ECTS</b> <b>9</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 8 weeks</b>		

Phase II/III Coordinators	Phase II/III Clinical Education Coordinators
<p><b>İşıl PAKİŞ</b> M.D., Prof.</p> <p><b>Demet DİNÇ</b> M.D., Instructor</p>	<p><b>Sevgi ŞAHİN</b> M.D., Prof.</p> <p><b>Bilgi BACA</b> M.D., Prof.</p> <p><b>Serdar BEKEN</b> M.D., Prof.</p>

**Program Coordinators**

**Sevgi ŞAHİN**  
M.D., Prof.

**İbrahim Yıldız**  
M.D. Assoc. Prof.

**Suna YAPALI**  
M.D. Assoc. Prof.

**Academic Units & Staff**

**Sevgi ŞAHİN**  
M.D., Prof.

**İnan ANAFOROĞLU**  
M.D., Prof.

**Nurdan TÖZÜN**  
M.D., Prof.

**Siret RATİP**  
M.D., Prof.

**Murat SARUÇ**  
M.D., Prof.

**Aziz YAZAR**  
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**Özlem ER**  
M.D., Prof.

**Gül BAŞARAN**  
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**Rüştü SERTER\***  
M.D., Prof.

**Ülkem ÇAKIR**  
M.D., Prof.

**Başak OYAN ULUÇ**  
M.D., Prof.

**Nesliar Eser KUTSAL\***  
M.D., Prof.

**Arzu TİFTİKÇİ**  
M.D., Prof.

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**Can GÖNEN**  
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M.D., Prof.

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M.D., Assoc. Prof.

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M.D., Assoc. Prof.

**Mehmet KARAARSLAN**  
M.D., Assist. Prof.

**Özdal ERSOY**  
M.D., Assist. Prof.

**Ant UZAY**  
M.D., Assist. Prof.

**Cem SUNGUR**  
M.D., Instructor

\*Visiting Professor

**PULMONARY DISEASES**

**Çağlar ÇUHADAROĞLU**  
M.D., Prof.

**Ceyda EREL KIRIŞOĞLU**  
M.D., Prof.

**Pelin UYSAL**  
M.D., Assoc. Prof.

## INFECTIOUS DISEASES

Sesin KOCAGÖZ

M.D., Prof.

Serap GENÇER

M.D., Prof.

Hülya KUŞOĞLU

M.D., Assist. Prof.

## CARDIOLOGY

Sinan DAĞDELEN

M.D., Prof.

Duhan Fatih BAYRAK

M.D., Prof.

Elif EROĞLU

M.D., Prof.

Aleks DEĞİRMENCİOĞLU

M.D., Assoc. Prof.

Selçuk GÖRMEZ

M.D., Assist. Prof.

## HISTORY OF MEDICINE AND ETHICS

Yeşim Işıl ÜLMAN

PhD., Prof.

Fatih ARTVİNLİ

PhD., Assoc. Prof.

## SIMULATED CLINICAL PRACTICE

Dilek KİTAPÇIOĞLU

M.D., Assist. Prof.

<b>Course Duration</b>	8 Week
<b>Educational Methods</b>	<ul style="list-style-type: none"><li>• Seminars (Presented by interns and faculty staff),</li><li>• Journal Clubs,</li><li>• Case Discussions during ward rounds and out patients' clinics,</li><li>• Clinical Skills Training,</li><li>• Ward rounds,</li><li>• Bed Side Training,</li><li>• Outpatient clinics,</li><li>• On-call duties and Night Shifts</li><li>• Multimodal internal medicine-ethics booth camp.</li></ul>
<b>Assessment Methods</b>	Direct observation and evaluation of intern-patient relationships, patients' case files recorded by interns, completing the defined duties, scheduled tasks, medical interventions performed by interns.

<p><b>Course Aims</b></p>	<p>This hospital based medical education program aims to deliver training in environment of wards and out-patient clinics of the tertiary healthcare facility.</p>
<p><b>Learning Outcomes</b></p>	<p>At the end of this program, interns will be able to:</p> <ul style="list-style-type: none"> <li>• Gather data for patients' case history, perform physical examination and organize management plan.</li> <li>• Manage contact with patients and with patients' relatives.</li> <li>• Organize patient care, laboratory and radiologic tests under supervision of relevant primary doctor of the patient.</li> <li>• Keep medical case file records and fill and organize them when required.</li> <li>• Understand the legal issues regarding patients case files.</li> <li>• Observe and interpret the changes in the patients' clinical and laboratory findings.</li> <li>• Manage interactions between various hospital staff.</li> <li>• Observe basic principles for management of an internal medicine ward.</li> <li>• Perform interventions for care of the patient.</li> <li>• Participate in the interplay of various disciplines required for the management of the patients who need multidisciplinary approach.</li> <li>• Make informing speeches to the patients and relatives when required.</li> <li>• Observe patient management in out-patient clinics.</li> <li>• Develop ethical sensitivity and professional motivation during the internship period,</li> <li>• Foster professional and ethical values in clinical and ethical decision-making in daily but simulated practice,</li> <li>• Help student get ready for real time critical, medical cases during their professional life beforehand,</li> <li>• Provide a learning and practicing environment for combining ethical and clinical decision-making in light of ethics principles and evidence-based medicine.</li> <li>• Make clinicians, medical student &amp; ethicists work together in interdisciplinarity and plurality.</li> </ul>

## **COMPULSORY TASKS DURING THE INTERNSHIP**

### **Ward Rounds**

- Attendance to ward rounds at scheduled hours is compulsory. Intern doctors will present the hospitalized patients to the primary consulting doctor and other participants of the ward round.
- Intern doctors should keep personal case-files of the patients apart from the hospitals file. Case-files should be closed when the patient is discharged and files should be presented to the coordinators with this log-book at the end of education period of 8 weeks. Medicolegal issues regarding the case-file writing will be discussed during the ward rounds.
- Intern doctors are required to discuss differential diagnosis and treatment options during ward rounds.
- Intern doctors should accompany the patients during secondary consulting doctor visits and radiologic or endoscopic examination.
- Intern doctors will observe and perform interventions to the patients when appropriate.
- Intern doctors will visit the patients on daily basis and repeat the physical examination, check measured data such as blood glucose, urine output, vital sign etc.
- Working hours in the clinics is between 8:00 – 17:00 during week days. Sign-in and sign-out polling will be available between 8:00-8:30 in the morning and 16:30 – 17:00 in the afternoon.

### **Out-patient clinics**

- All interns will attend out-patient clinics and observe patient management with faculty staff.
- All interns will attend out-patient clinics for the 8 weeks of education. Rotations will be at weekly basis.
- Duty in the out-patient clinics will start after the daily ward- rounds and daily duration of the out-patient clinic will be determined by the relevant faculty member.

### **Seminars**

- All interns will present a seminar under the supervision of a faculty member.
- Topic will be decided at least 1 week before the presentation.
- Seminars should be presented after the approval of the supervising faculty member.
- Dates and schedule of the seminars will be decided according to the supervising staff's programme.

### **Interventions**

- All interns are obliged to perform ordered interventions under supervision of faculty staff.
- Intravenous line or urinary catheter placement, capillary blood sugar measurement, placement of respiratory masks, central venous pressure measurements are among many interventions that can be performed under supervision.

### **Night Shifts**

- Intern doctors will have night shifts during week days.
- Night shift duty will begin at 17:00 and will finish at 8.30 next day.
- Interns on duty are obliged to visit hospitalized patients of internal medicine department at least once during the night shift.
- Night shift interns have the duty to inform other doctors about the events happened during the night shift, laboratory tests or radiologic examination to be followed-up.
- Interns with absenteeism without a solid excuse, particularly documented, and/or permission of consulting staff will have compensation on-call duties. Absenteeism more than legal limit will cause the renewal of the course program.
- The interns should comply with the terms and rules of the department, consulting staff, and the special requirements asked by the clinical wards. Maximum care should be performed in order to keep the patient records and privacy unexposed.

### **Training Sites**

- Acibadem Mehmet Ali Aydınlar University Atakent Hospital in-patient wards including organ transplantation units.
- Patients will be followed up in other departments units when transferred to the intensive care unit or coronary ward.
- Out-patient clinics of the Atakent Hospital including internal medicine, endocrinology, rheumatology, oncology, hematology, gastroenterology, nephrology, gastroenterology, pulmonology, cardiology.
- CASE – Acibadem Mehmet Ali Aydınlar University Campus







**Night Shifts**

Date	Signature of Consulting Doctor

*Compensation night shifts done after absenteeism should be designated.*

TIMETABLE					
WEEK/ DAY	Monday	Tuesday	Wednesday	Thursday	Friday
1	Hematology	Hematology	Hematology	Hematology	Hematology
2	Infectious Diseases	Infectious Diseases	Infectious Diseases	Infectious Diseases	Infectious Diseases
3	Pulmonary Diseases	Pulmonary Diseases	Pulmonary Diseases	Pulmonary Diseases	Pulmonary Diseases
4	Nephrology	Nephrology	Nephrology	Nephrology	Nephrology
5	Cardiology	Cardiology	Cardiology	Cardiology	Cardiology
6	Gastroenterology	Gastroenterology	Gastroenterology	Gastroenterology	Gastroenterology
7	Endocrinology	Endocrinology	Endocrinology	Endocrinology	Endocrinology
8	Medical Oncology	Medical Oncology	Medical Oncology	Medical Oncology	Medical Oncology / Ethics Boot Camp

**Out-patient Clinics**

TASK TABLE			
<b>Name/Surname:</b>		<b>Start Date:</b>	<b>End Date:</b>
Task/Procedure	Patient Protocol No	Date	Responsible Instructor Signature



Clerkship

GENERAL SURGERY

MED 602

Educational Language

English (Practical sessions will be conducted in Turkish)

Course Type

Compulsory

Credit

ECTS

Course Level

Undergraduate

4

4

Year / Duration

Year VI / 4

Phase II/III  
Coordinators

Işıl PAKİŞ  
M.D. Prof.  
Demet DİNÇ  
M.D., Instructor

Phase II/III  
Clinical Education Coordinators

Sevgi ŞAHİN  
M.D., Prof.  
Bilgi BACA  
M.D., Prof.  
Serdar BEKEN  
M.D., Prof.

Program Coordinators

Volkan ÖZBEN  
M.D., Assoc. Prof.  
Halil KARA  
M.D., Assoc. Prof.

Academic Units & Staff

Cihan URAS  
MD, Prof.  
Tayfun KARAHASANOĞLU  
MD, Prof.  
İsmail HAMZAOĞLU  
MD, Prof.  
Bilgi BACA  
MD, Prof.  
İbrahim BERBER  
MD, Prof.  
Remzi EMİROĞLU  
MD, Prof.  
Erman AYTAÇ  
MD, Assoc. Prof.  
Volkan ÖZBEN  
MD, Assoc. Prof.

Halil KARA  
MD, Assoc. Prof.  
İsmail Ahmet BİLGİN\*  
Assoc. Prof.  
Tonguç Utku YILMAZ  
MD, Assoc. Prof.  
Akif Enes ARIKAN  
MD, Assist. Prof.  
Güralp Onur CEYHAN  
MD, Instructor  
Onur DÜLGEROĞLU\*  
MD, Instructor  
Emir ÇAPKINOĞLU  
MD, Instructor

\*Visiting Professor

<b>Educational Methods</b>	<ul style="list-style-type: none"> <li>• Bedside training</li> <li>• Outpatient clinics, ward rounds, inpatient clinics</li> <li>• Incorporation to surgical procedures</li> <li>• Case discussions</li> <li>• Paper / lecture presentations and discussions</li> <li>• Attendance to multidisciplinary and Morbidity&amp;Mortality meetings</li> </ul>
<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• Failure to sign will be interpreted as absence</li> <li>• Full attendance is required to be successful</li> <li>• They are expected to fulfill the requirements including case presentations, lecture/paper presentations.</li> <li>• Clinical skills and professional attitude will be assessed.</li> <li>• Assessment will be interpreted as sufficient or insufficient.</li> </ul>
<b>Course Aims</b>	<ul style="list-style-type: none"> <li>• The aim is to teach basic surgical topics and principles to sixth-year medical students with bedside training, case discussions and paper presentations. They will learn to be a part of a surgical team and will take direct responsibility for the patient care.</li> <li>• The students will have opportunities to join in the both inpatient and out-patient settings with medical teachers and other health professionals in the relevant hospitals of Acibadem Health Care Group.</li> <li>• Each student is expected to: <ul style="list-style-type: none"> <li>• Incorporate basic knowledge and clinical experience to obtain modern patient-oriented clinical care and</li> <li>• Participate the care of patients in the various stages (preoperative area, inpatient and outpatient clinics, operative procedures, recovery and follow-up) of evaluation and treatment by surgeons.</li> </ul> </li> </ul>
<b>Learning Outcomes</b>	<p>At the end of this internship program the students will be able to evaluate the patient and analyze the symptoms and examination findings related with the following topics.</p> <ul style="list-style-type: none"> <li>• Acute abdomen</li> <li>• Acute mastitis, nipple discharge and symptoms of breast mass, axillary lymph node examination</li> <li>• Anorectal disorders (anal abscess, hemorrhoidal disease, anal fissure, etc) and differential diagnosis such as rectal cancer.</li> <li>• Acute cholecystitis</li> <li>• Abdominal wall hernia</li> <li>• Thyroid disorders and approach to thyroid nodules</li> <li>• Define minimally invasive surgery and robotics</li> <li>• Apply the following skills under observation <ul style="list-style-type: none"> <li>• Suturing and suture removal</li> <li>• Abscess drainage</li> <li>• Placement of urinary catheter</li> <li>• Placement of nasogastric tube</li> <li>• Wound care</li> </ul> </li> <li>• Prepare a medical report of a patient and fill out daily follow-up notes of the patient</li> </ul>

## Internship Detailed Program and Information

Intern doctors in Acibadem Mehmet Ali Aydınlar University School of Medicine are responsible for the work in the Department of General Surgery during the 4-week period. On behalf of educational team, they have responsibilities to complete their internship program.

In this program, you will be interacting with physicians in the Department of General Surgery and observing them through every step of patient care. You will experience what surgeons do on a daily basis as you encounter patient-physician interactions in the clinics, pre and post-operative units, operating rooms, and bedside meetings during rounds.

Maturity, attentiveness, flexibility, and the ability to follow written and verbal directions are qualities that are absolutely imperative to prevent hindrance of patient care. Professionalism is essential. Please be respectful to the surgical staff and nurses at all times.

This internship program is operated under the guidance and direction of the Chairman of Surgery and internship coordinator. Start and end dates, hospital shift start and end times, requirements and/or the process of selection, student guidelines, and policies set forth by Acibadem Mehmet Ali Aydınlar University School of Medicine rules.

The Department of General Surgery consists of the following surgical subspecialties:

- Gastrointestinal Surgery
- Hepatopancreatobiliary Surgery
- Breast and Endocrine Surgery
- Transplant Surgery

## Working plan and Responsibilities

- 1- The responsibilities during the 6th year involve total care of all patients under the supervision of the faculty and resident staff.
- 2- The general surgery internship program lasts 4 weeks. In the beginning of the internship, the working schedule is declared to the intern doctors and this schedule is reported to the faculty and resident staff.
- 3- The general surgery internship program takes place in the Acibadem Atakent, Maslak and Altunizade Hospitals.
- 4- Within this program, intern doctors are expected to work in the inpatient and outpatient clinics as well as in the operating rooms.
- 5- Absence from the clinic without reporting an excuse is not allowed. Interns who will be absent must report, in advance, their excuse to the clinical coordinator. Absence with approved excuses will be made up by the intern. Otherwise, the internship program will be subject to repetition.
- 6- The faculty members and/or surgeons/or residents conduct ward rounds. All the interns must be present during the rounds.
- 7- During ward rounds, interns who are in charge with the inpatient clinic will present their patients. Interns are obliged to know all the clinical data of the patients they are responsible for.
- 8- Interns who are responsible for the inpatient clinic will accompany their patients during consultations, and they are supposed to be in direct contact with the consultants and prepare the treatment plan under the guidance of surgeons.
- 9- In the inpatient clinic, interns are supposed to take patient history, change wound dressings, and insert nasogastric tube and urinary catheters under the supervision of the surgical staff.



- 10- In the outpatient clinics, interns are supposed to participate actively to the clinical examination of patients.
- 11- Interns working in the operating room are supposed to be present in the operating room. They are expected to scrub up and participate to the surgical procedures.
- 12- Rooms available for intern doctors are located in the inpatient clinics and/or in the departmental area. Interns can use these rooms during their free times in the clinic.
- 13- During the general surgery internship, each intern must be on duty (nightshift) 4 times. The schedule will be announced to the interns in the beginning of the internship. Interns are supposed to start their duty at 6:00 pm during the week and finish on the next day after the morning round is completed. After the morning round interns in the duty must take signature from the committee chair of hospital. Interns are allowed to take one-day leave after the completion of duty.
- 14- During the internship program, all the interns are supposed to participate to the multidisciplinary meetings carried out in the clinic. These meetings are;
  - 1) Gastrointestinal oncology meeting (every Monday, 7:30-8:30 am)
  - 2) Breast multi-disciplinary meeting (every Friday, 7:00-8:30 am)
- 15- In the 4th week of the internship program, a morbidity and mortality meeting is carried out and the head of the department will declare the exact date of this meeting. Each intern is supposed to present a case in this meeting.
- 16- In the clinic, every Thursday at 7:00 am educational session, including morbidity and mortality discussions, literature presentations, and case-based thematic subjects, is carried out by video conferencing. The program will be given to you by the education coordinator in the beginning of your internship program. Each intern is expected to participate to these sessions.
- 17- Each intern will have a faculty or resident staff responsible for. In the middle of the internship program (at the end of the 2nd week), the staff will evaluate intern's working condition and any deficiencies will be reported to the intern. The same evaluation will be performed at the end of the internship and this will be graded and marked as success or fail.
- 18- Within the working hours, intern doctors must be in good relationship with the residents, surgical staff, faculty members, nurses, and auxiliary staff and must obey code of conduct.
- 19- In addition to clean and tidy outfit/dress, intern doctors must wear white coat or uniforms at all times in the inpatient and outpatient clinic (male interns should shave daily).

TIMETABLE

WEEK/DAY	Monday	Tuesday	Wednesday	Thursday	Friday
1	Gastrointestinal System Surgery	Gastrointestinal System Surgery	Gastrointestinal System Surgery	Gastrointestinal System Surgery	Gastrointestinal System Surgery
2	Breast and Endocrine Surgery	Breast and Endocrine Surgery	Breast and Endocrine Surgery	Breast and Endocrine Surgery	Breast and Endocrine Surgery
3	Hepatopancreatobiliary Surgery	Hepatopancreatobiliary Surgery	Hepatopancreatobiliary Surgery	Hepatopancreatobiliary Surgery	Hepatopancreatobiliary Surgery
4	Organ Transplantation Units	Organ Transplantation Units	Organ Transplantation Units	Organ Transplantation Units	Organ Transplantation Units

Internship Attendance Chart

WEEK/DAY	Monday	Tuesday	Wednesday	Thursday	Friday
1					
2					
3					
4					

*Each intern must get signature for their daily attendance and permission of leave after duty (nightshift) from subdivision responsible.*

**Logbook Task Table:**

	<b>Date</b>	<b>SIGNATURE</b>
<b>History taking (n=5)</b>		
<b>Aseptic dressing (n=5)</b>		
<b>Stitch removal (n=5)</b>		
<b>Removal of drain (n=5)</b>		

	Date	SIGNATURE
Writing epicrisis (n=5)		
Taking informed consent (n=2)		
Assisting operation note writing (n=5)		
Assisting pre-/post-operative order writing (n=10)		

Operative skills	
<b>Scrubbing, gowning, gloving (n=5)</b>	
<b>Skin stitching (n=5)</b>	
<b>Assisting laparoscopic surgery (appendectomy, cholecystectomy, etc.) (n=1)</b>	
<b>No of operations assisted (n=5)</b>	

Clerkship

PEDIATRICS

MED 603

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b> <b>8</b>	<b>ECTS</b> <b>9</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 8 weeks</b>		

Phase II/III Coordinators	Phase II/III Clinical Education Coordinators
<p><b>Işıl PAKİŞ</b> M.D. Prof.</p> <p><b>Demet DİNÇ</b> M.D., Instructor</p>	<p><b>Sevgi ŞAHİN</b> M.D., Prof.</p> <p><b>Bilgi BACA</b> M.D., Prof.</p> <p><b>Serdar BEKEN</b> M.D., Prof.</p>

**Program Coordinators**

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**Tarkan İKİZOĞLU**  
M.D., Assist. Prof.

**Baran ARCAGÖK**  
M.D., Assist. Prof.

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**Pediatric Allergy and Immunology**

**Gülbin BİNGÖL**  
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**Pediatric Cardiology**

**Canan AYABAKAN**  
M.D., Prof.

**Pediatric Endocrinology and  
Metabolism**

**Serap SEMİZ**  
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**Pediatric Hematology and  
Oncology**

**Cengiz CANPOLAT**  
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**Arzu AKÇAY**  
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**Didem ATAY**  
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**Ayşe Burcu AKINCI**  
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**Fatma DEMİR YENİGÜRBÜZ**  
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**Pediatric Infectious Disease**

**Metehan ÖZEN**  
M.D., Prof.

**Pediatric Intensive Care and  
Emergency Medicine**

**Agop ÇITAK**  
M.D., Prof.

**Sare Güntülü ŞIK**  
M.D., Assoc. Prof.

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### Pediatric Genetics

Yasemin ALANAY  
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Özlem AKGÜN DOĞAN  
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### Pediatric Gastroenterology and Nutrition

Mahir GÜLCAN  
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M.D., Assist. Prof.

### Neonatology

Ayşe KORKMAZ TOYGAR  
M.D., Prof.

Serdar BEKEN  
M.D., Prof.

Atalay DEMİREL  
M.D., Assoc. Prof.

Selma AKTAŞ  
M.D., Assoc. Prof.

Baran Cengiz ARCAGÖK  
M.D., Assist. Prof.

### Pediatric Nephrology

Burcu BULUM AKBULUT  
M.D., Assoc. Prof.

### Pediatric Neurology

Uğur IŞIK  
M.D., Prof.

### Pediatric Intensive Care and Emergency Medicine

Agop ÇITAK  
M.D., Prof.

Sare Güntülü ŞIK  
M.D., Assoc. Prof.

### Social Pediatrics

Selda KARAAVVAZ  
M.D., Ph.D., Prof.

### General Pediatrics

Sibel AKA  
M.D., Assist. Prof.

Tarkan İKİZOĞLU  
M.D., Assist. Prof.

Özlem Naciye ATAN ŞAHİN  
M.D., Assoc. Prof.

### Affiliated Faculty:

Elif DAĞLI\*  
M.D., Prof. Pediatric Pulmonology

Vildan ERTEKİN\*  
M.D., Prof. Pediatric Gastroenterology

Melike ERSOY OLBAK  
M.D., Pediatric Metabolism

Ayla OKTAY\*  
M.D., Pediatric Cardiology

\*Visiting Professor

#### Educational Methods

- Practice in outpatient clinics
- Practice in Clinical Wards and Intensive Care Units
- Weekly Academic Meetings
- Academic Staff Lectures
- Journal Club
- Intern Presentations

#### Assessment Methods

- Performance assessment,
- Active and on-time attendance,
- Patient evaluation and physical examination,
- Seminar/article preparation and presentation,
- Clinical skills assessment,
- Personal Professional Attitude,



<p><b>Course Aims</b></p>	<p>The purpose of Pediatrics Internship is to integrate knowledge, attitudes and skills already acquired in the first 5 years of medical school into the clinical discipline, follow-up of healthy children and practice current diagnostic and therapeutic approaches in common medical situations.</p> <p>Interns at Acıbadem University School of Medicine will graduate equipped with interest and understanding of health issues regarding children in our country and the world with extensive knowledge in preventive and routine pediatric care. Interns will actively participate in care of hospitalized children and outpatients, practicing disease prevention, (differential) diagnosis, treatment and follow-up strategies and providing support for patient and family.</p>
<p><b>Learning Outcomes</b></p>	<p><b>At the end of this program, interns will be able to:</b></p> <ul style="list-style-type: none"> <li>• Develop effective communication skills, oral and written, with peers on their medical team, parents, attending as well as oral presentations skills in a variety of settings such as work rounds, patient consultations, family meetings, etc.</li> <li>• Obtain an extensive pediatric history from the parent and from the child.</li> <li>• Perform a complete physical examination on patients from the neonatal period through adolescence,</li> <li>• Promptly assess mental status, cooperation quality and develop the ability to use Glasgow Coma Scale,</li> <li>• Obtain appropriate anthropometric measurements according to age and evaluate the growth parameters effectively</li> <li>• Develop a clinical assessment and management plan, demonstrating critical thinking skills and integration of previous basic science and clinical knowledge into management of pediatric problems</li> <li>• Establish a plan for immunization practices, nutrition for well-babies, and oral rehydration therapy</li> <li>• Provide adequate information and support for encouraging Breastfeeding</li> <li>• Fully evaluate a patient with common morbidities in childhood, such as infectious, cardiac, endocrine, hematologic, neoplastic, immunologic, nephrological, neuromuscular and genetic diseases.</li> <li>• Perform certain minor procedures in accordance with National Core Curriculum Guideline; venous puncture, establishment of peripheral/central venous line, establishment of urinary catheters, suturing, intubation, various site injections, basic life support, performing lumbar puncture and etc.</li> <li>• Experience on certain techniques; evaluation of peripheral smears, evaluating urine and stool analysis, obtaining various cultures with appropriate techniques, and etc.</li> <li>• Measure and evaluate vital signs ie. blood pressure, heart rate and respiratory rate, body temperature.</li> <li>• Perform and evaluate certain tests like electrocardiogram, pulmonary function tests, clotting time and etc.</li> <li>• Prescribe common pediatric drugs and experience on weight based drug dose and parenteral medication calculations</li> <li>• Experience on evaluation of common pediatric biochemical, hematological, microbiological and radiological tests</li> <li>• Experience on preparation of patient file, writing follow-up notes and medical reports.</li> </ul>

## **COMPULSORY TASKS DURING THE INTERNSHIP**

### **Outpatient Clinics**

All interns should attend evaluation of patients in outpatient clinics. They will be asked to take history and perform physical examination under supervision of consulting staff. All anthropometric evaluation must be fulfilled completely. If requested, laboratory tests and necessary papers should be completed. Prescription and drug dosage calculation must be performed. Pediatric interns will be assigned to different subspecialty outpatient clinics for 2-4 weeks during their programme.

### **Inpatient Clinics**

All interns should attend ward rounds. They will be asked to take history and perform physical examination under supervision of consulting staff. Interns are responsible for daily follow-up of hospitalized patients. All anthropometric evaluation must be checked regularly. If requested, laboratory tests and necessary papers should be completed. Prescription and drug dosage calculation must be performed. Pediatric interns will be assigned to specialized inpatient clinics where they may be given specific responsibilities. When possible, all clinical skills must be practiced under supervision of consulting staff like bone marrow aspiration, endotracheal intubation etc.

### **Journal Clubs and Academic Meetings:**

All interns should attend weekly Academic Meetings, Wednesdays at noon. Clinical discussions and lecture presentations are provided by Academic Staff. All consulting staff and specialists are expected to attend the meeting. Each intern is required to perform an oral presentation during the Pediatric Internship programme. The subjects and/or articles will be provided by the consultant staff of the month. The Internship Director will announce the presentation schedule at the beginning of the course.

### **On-Call Duties in Emergency Out-patient Clinic:**

All interns should be available during On-call duties and night shifts. They should perform all clinical skills under supervision of consulting staff.

In the next morning, interns are expected to verbally report their On-call duty experience to a staff physician.

## **USEFUL INFORMATION:**

### ***Programme Sites:***

Acibadem University Atakent Hospital is the main venue for Pediatric Internship. With approval of both Internship Director and related Faculty Member, interns can rotate at Acibadem University Maslak Hospital for 2-4 weeks. The rotation plan will be organized on the first day of internship programme.

### **Pediatrics Internship Sites:**

General Pediatrics and Well-baby out-patient clinics in Atakent Altunizade and Maslak Hospitals,  
Neonatal ICUs in Acibadem Atakent, Acibadem Altunizade and Acibadem Maslak Hospitals,  
Pediatric ICU in Acibadem Atakent and Acibadem Altunizade Hospitals,  
Pediatric Emergency Unit in Acibadem Atakent Hospital.

### **Subspecialty out-patient Clinics:**

Pediatric Allergy and Immunology in Acibadem Atakent, Acibadem Altunizade and Acibadem Maslak Hospitals,  
Pediatric Cardiology in Acibadem Altunizade Hospital,  
Pediatric Endocrinology in Acibadem Atakent and Acibadem Maslak Hospitals,  
Pediatric Gastroenterology in Acibadem Atakent and Acibadem Maslak Hospitals,  
Pediatric Genetics in Acibadem Maslak Hospital,  
Pediatric Hematology and Oncology in Acibadem Altunizade Hospital,

Pediatric Infectious Disease in Acibadem Atakent and Acibadem Altunizade Hospitals,  
Pediatric Nephrology in Acibadem Atakent Hospital,  
Pediatric Neurology in Acibadem Altunizade Hospital.

**PEDIATRIC INTERNSHIP OVERVIEW**

The working schedules are subject to alterations based upon emergency conditions due to patient health-care issues and unforeseen academic duties. Another consulting staff will supervise the interns in case the consultant is not available in the hospital.

General view on weekly working schedules in Clinic Wards/Intensive Care Units

TIMETABLE					
	Monday	Tuesday	Wednesday	Thursday	Friday
08:00-09:00	Morning Briefs	Morning Briefs	Morning Briefs	Morning Briefs	Morning Briefs
09:00-12:00	Ward Rounds	Ward Rounds	Ward Rounds	Ward Rounds	Ward Rounds
12:00-13:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
13:00-16:30	Ward Rounds	Ward Rounds	Ward Rounds	Ward Rounds	Ward Rounds
16:30-17:00	Evening Briefs	Evening Briefs	Evening Briefs	Evening Briefs	Evening Briefs

Seminar	
Topic	
Date	
Supervisor	

Please add 3x2 print-out of the seminar power point/keynote file to this log- book.



**TASK TABLE**

Name/Surname:		Start Date:	End Date:
Task/Procedure	Patient Protocol No	Date	Responsible Instructor Signature

## Responsibilities

- Acıbadem Medical School Internship Rules and Regulations Documents apply to all interns.
- Working hours in Pediatrics Department are between 08:30 and 17:00 during the weekdays.
- Working hours in Pediatrics Department will be arranged in accordance with overnight on-call system during weekends and national holidays.
- The emergency outpatient clinic, clinical wards and intensive care units are available for patient service for 24 hours-and-365 days.
- On-call physicians and interns will be providing patient care and information for the consulting staff physicians during weekends and national holidays.
- The attendance sheet will be available for interns between 08:00-08:30 and 16:30-17:00 during weekdays.
- The interns will have 2 different parts of education and training course during internship. Each course will last 2-4 weeks under the supervision of an academic staff and will primarily focus on clinical experience in out-patient clinics or hospital wards (majority being in intensive care-units).
- The consulting physicians will complete the internship assessment form after 4-weeks course based on evaluation of Clinical case management, Interaction with patient and community, Professionalism, Personal Professional attitude.
- Interns will provide their assessment forms filled out by their consultants and to the Internship Director of Pediatrics at the end of each month.
- The interns should comply with the safety and healthcare terms and rules of Units and consulting staff. Maximum care should be provided to keep the patient records unexposed with respect to confidentiality.
- Maximum care should be performed to comply with hygienic procedures to keep the patients germ-free not only in intensive care units but also in outpatient clinics.

## Suggested Readings and Internet Resources

- Nelson Textbook of Pediatrics, 2-Volume Set, 21th Edition (2016).
- Report of the Committee on Infectious Disease. Red Book, 30th Edition (2015).
- <http://redbook.solutions.aap.org/redbook.aspx>.
- <http://www.cdc.gov/vaccines/schedules/index.html>
- <http://learnpediatrics.com/>
- <http://www.pedscases.com/>
- <http://pediatriceducation.org/>
- [http://www.medutv.uio.no/jbgttest/elaring/fag/barnesykdommer/ index.shtml](http://www.medutv.uio.no/jbgttest/elaring/fag/barnesykdommer/index.shtml)
- <http://pediatriccare.solutions.aap.org/Pediatric-Care.aspx>
- <http://pedclerk.bsd.uchicago.edu/page/genetics>

Clerkship

OBSTETRICS AND GYNECOLOGY

MED 604

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b>	<b>ECTS</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 4 weeks</b>		
		<b>4</b>	<b>4</b>

Phase II/III Coordinators	Phase II/III Clinical Education Coordinators
<p><b>IŞIL PAKIŞ</b> M.D. Prof.</p> <p><b>Demet DİNÇ</b> M.D., Instructor</p>	<p><b>Sevgi ŞAHİN</b> M.D., Prof.</p> <p><b>Bilgi BACA</b> M.D., Prof.</p> <p><b>Serdar BEKEN</b> M.D., Prof.</p>

**Program Coordinators**

**Serkan ERKANLI**  
M.D., Prof.

**Suat DEDE**  
M.D., Prof.

**Emine KARABÜK**  
M.D., Assist. Prof.

**Academic Units & Staff**

**Mete GÜNGÖR**  
M.D., Prof.

**Özlem PATA**  
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**Ahmet Cem BATUKAN**  
M.D., Prof.

**Serkan ERKANLI**  
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**Bülent TIRAŞ**  
M. D., Prof.

**Suat DEDE**  
M.D., Prof.

**Belgin SELAM**  
M.D., Prof.

**A. Yiğit ÇAKIROĞLU**  
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**Turgut AYDIN**  
M.D., Assoc. Prof.

**Özgüç TAKMAZ**  
M.D., Assoc. Prof.

**Emine KARABÜK**  
M.D., Assist. Prof.

**Selin ÖZALTIN**  
M.D., Assist. Prof.

**Esra ÖZBAŞLI**  
M.D., Instructor

**Faruk KÖSE**  
M.D., Prof.



<b>Course Duration</b>	4 Weeks
<b>Educational Methods</b>	Lectures, Clinical Skills Training, Ward rounds- outpatient clinics, On-call duties
<b>Assessment Methods</b>	Clinical Skills Assessment
<b>Course Aims</b>	<p>The purpose of this course is; to provide sixth year medical students necessary knowledge about etiology, clinical signs-symptoms, differential diagnosis and treatment of common obstetric and gynecologic problems and, emergencies.</p> <p><b>Interns are expected to;</b>  Actively participate in maternal and fetal monitoring during labor and learn dynamics of vaginal delivery.  Realize how OB/GYN merges surgery, medicine, and primary preventive care into a single practice.  Discuss how overall mental and physical health interacts with reproductive function  Gain comfort in taking an appropriate OB/GYN history and performing pelvic examination. Introduce the principles of surgery related to women's health</p>
<b>Learning Outcomes</b>	<p><b>At the end of this internship program students will be able to;</b></p> <ul style="list-style-type: none"> <li>• Demonstrate the ability to perform a thorough Ob/ Gyn history, including menstrual history, obstetric history, gynecologic history, contraceptive history and sexual history.</li> <li>• Demonstrate the ability to perform a gynecologic examination (Speculum/bimanual)</li> <li>• Demonstrate the ability to perform an obstetric exam</li> <li>• Demonstrate the ability to perform Pap smear.</li> <li>• Demonstrate the ability to interpret electronic fetal monitoring.</li> <li>• Demonstrate the ability to provide contraceptive counseling</li> <li>• Demonstrate the ability to communicate the results of the OB/GYN history and physical examination by well-organized written notes and oral reports.</li> <li>• Demonstrate the ability to formulate a differential diagnosis of the acute abdomen including ectopic pregnancy</li> <li>• Demonstrate the ability to describe the etiology and work up for infertility</li> <li>• Demonstrate the ability to describe gynecologic malignancies including risk factors, signs and symptoms and initial evaluation of abnormal Pap smear, Postmenopausal bleeding, and adnexal mass/cyst</li> <li>• To have basic knowledge about antenatal and postpartum follow-up, determination of obstetric risk factors, management of obstetric hemorrhage principles. Demonstrate the ability to develop hypotheses, diagnostic strategies and management plans in the evaluation of antepartum, intrapartum and postpartum patients.</li> <li>• Demonstrate the ability to develop hypotheses, diagnostic strategies and management plans in the evaluation of patients with gynecologic problems, including routine postoperative care following gynecologic surgery.</li> <li>• Follow and assist 5 vaginal deliveries and appreciate dynamics of delivery.</li> </ul>

<b>Educational Methods</b>	Case Discussions, Paper presentation and discussion, Bed side training, Assisting deliveries, Gowning for surgeries, Labor and delivery 24 hour calls (5 calls/month), Practice in operating and delivery room, Shadowing an attending for daily activities (outpatient clinic, surgeries and postoperative visits)
<b>Assessment Methods</b>	Failure to sign in will be interpreted as absence; 20 % absence requires repeating the course, Attendance to clinics and compliance, Competency in Patient care, Case Presentations Paper/Lecture presentations, Attitude during rounds are measured.

## COMPULSORY TASKS DURING THE INTERNSHIP

### Journal Clubs and seminars:

Each attendent of internship program should participate weekly journal clubs or seminar by Obstetrics and Gynecology Department. Time period is variable due to different hospital facilities. In the beginning of internship programe, this information will be provided.

### Inpatient Clinics

Clinical studies in the inpatient clinics starts at 8:00 A.M. Inpatient clinic group divided to two team. One team for patient care, one team for operation room. Clinical skill development and interventions should be done under supervision of clinical staff or mentor. All clinical records

Outpatient clinics etc...

Log bbok about clinical skills should be completed during obstetrics and gynecology internship and presented to supervisor at the and of obstetrics and gynecology internship.

## USEFUL INFORMATION:

### Training Sites:

Acibadem Atakent Hospital (ATAK)

Acibadem Maslak Hospital (MAS)

### Responsibilities:

- Working hours in Obstetrics and Gynecology Department are between 08:00 and 17:00 during the weekdays.
- Working hours in Obstetrics and Gynecology Department will be arranged in weekends
- The emergency outpatient clinic, clinical wards and intensive care units are available for patient service for 24 hours-and-365 days.
- On-call physicians and interns will be providing patient care and information for the consulting staff physicians during weekends and national holidays.

- The signature sheet will be available for interns between 08:00- 08:30 and 16:30-17:00 during weekdays.
- The internship program for Obstetrics and Gynecology Department consists of 4 weeks in 2 different periods. The interns will have 2 different parts of education and training course during internship. First course will last 3 weeks under the supervision of an academic staff and will primarily focus on clinical experience in out-patient clinics or hospitalized patients. Second course will be last 1 weeks of internship and determined by director of obstetrics and gynecology department.
- The consulting physicians will complete the internship assessment form after 4-weeks course based on evaluation of clinical case management, interaction with patient and community, professionalism, personal professional attitude.
- Interns will provide their assessment forms fulfilled by their consultants and deliver to Inter İnternship Director of Obstetrics and Gynecology Department at the end of 4-weeks course.
- The interns who cannot obtain sufficient marks from assessing consultants will fail and repeat the course. Sufficient means that he/she performed at least 60% of the above-mentioned performance.
- The interns should comply with the terms and rules of the Obstetrics and Gynecology Department, consulting staff, and the special requirements asked by the clinical wards. Maximum care should be performed in order to keep the patient records unexposed.
- Interns with absenteeism without a solid excuse, particularly documented, and/or permission of consulting staff will have compensation on-call duties. Absenteeism more than legal limit will cause the renewal of the course program.
- Maximum care should be performed to comply with hygienic procedures to keep the patients germ-free not only in intensive care units but also in outpatient clinics.

## TIMETABLE

WEEK/DAY	Monday	Tuesday	Wednesday	Thursday	Friday
1	Operating Room	Operating Room	Operating Room	Operating Room	Operating Room
2	Outpatient Clinics	Outpatient Clinics	Outpatient Clinics	Outpatient Clinics	Outpatient Clinics
3	Ward	Ward	Ward	Ward	Ward
4	Night Shift	Night Shift	Night Shift	Night Shift	Night Shift



Task/Procedure	Patient Protocol No	Date	Responsible Instructor Signature

**Clerkship**

**PSYCHIATRY**

**MED 605**

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b> <b>4</b>	<b>ECTS</b> <b>4</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 3 weeks</b>		

<b>Phase II/III Coordinators</b>	<b>Phase II/III Clinical Education Coordinators</b>
<p><b>Işıl PAKIŞ</b> M.D. Prof.</p> <p><b>Demet DİNÇ</b> M.D., Instructor</p>	<p><b>Sevgi ŞAHİN</b> M.D., Prof.</p> <p><b>Bilgi BACA</b> M.D., Prof.</p> <p><b>Serdar BEKEN</b> M.D., Prof.</p>

**Program Coordinators**

**Ürün ÖZER AĞIRBAŞ**  
MD. Assoc. Prof.

**Gökşen Yüksel YALÇIN**  
MD. Instructor

**Barış SANCAK**  
M.D., Assist. Prof.

**Academic Units & Staff**

**Ürün ÖZER AĞIRBAŞ**  
M.D., Assoc. Prof.

**Burcu YAVUZ**  
M.D., Assoc. Prof.

**Barış SANCAK**  
M.D., Assist. Prof.

**Gökşen Yüksel YALÇIN**  
M.D, Instructor

<b>Course Duration</b>	<p>3 Weeks</p> <p>This period will be spent as an observer in the psychiatry outpatient clinic of the hospital. Each student will work actively in the outpatient clinic for at least 2 days. Other days, they will accompany the consultation and evaluation of emergency cases.</p>
<b>Educational Methods</b>	<ul style="list-style-type: none"> <li>• Case presentations and discussions</li> <li>• Thematic meetings</li> <li>• Attendance at Outpatient clinics and observation Taking History and performing Mental State Examination of patients seen at the Emergency Department, Outpatient</li> <li>• Clinic or on medical/surgical wards as part of the concept of Liaison Psychiatry</li> </ul>
<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• Present a case which should include description of symptoms and mental state features, etiological factors,</li> <li>• medical/legal/family/substance use history, differential diagnoses, a plan of management, assessment of prognosis and risk assessment.</li> <li>• Present a recently published research article in the field of Psychiatry improving your knowledge of statistics and methodology in medical research (voluntarily).</li> </ul>
<b>Course Aims</b>	<p>The interns should aim to improve their skills of actively incorporating any mental health issues that they will come across in their clinical practice. They should be able to diagnose and treat simple psychiatric cases (such as depressive disorder, anxiety disorders) at a primary care level and make referrals to secondary care accordingly. Furthermore, they should be able to make a risk assessment for each patient (including psychiatric emergencies such as risk of suicide/homicide).</p>
<b>Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Describe the clinical presentation of common psychiatric disorders and summarize the major categories of psychiatric disorders, using ICD-10/ DSM 5.</li> <li>• Describe the pharmacological, psychological and other (e.g. ECT) treatment options for psychiatric patients, including the indications, method of actions and side effects.</li> <li>• Describe what may constitute risk to self-suicide, self-harm, high risk behavior) and risk to and from others and can conduct a risk assessment.</li> <li>• Take a full psychiatric history and carry out a mental state examination.</li> <li>• Understand principles of immediate care in psychiatric emergencies which may occur in A&amp;E and general medical settings.</li> </ul>



## **COMPULSORY TASKS DURING THE INTERNSHIP**

*Students will attend the “Psychiatric interview techniques and psychiatric emergencies” presentation at the beginning of the internship.*

Each student will spend at least 2 full days in the psychiatry outpatient clinic as an observer with a professor. Students will express their opinions about the examination, diagnosis process and treatment of these cases and the discussion will take place. Students will take an active role in the psychiatric consultations of inpatients and in the evaluation of emergency psychiatric cases.

Each student will prepare a presentation on the diagnosis and treatment of one of the primary psychiatric disorders from DSM-V (mood disorders, psychotic disorders, anxiety disorders) and present it to his professor and conduct a discussion.

At the end of the internship, each student will prepare a report on one of the patients. In this report, the student will discuss the patient's complaints, anamnesis details, differential diagnosis, and current treatment with reference to the literature (between 3 to 5 articles).

## **USEFUL INFORMATION:**

### *Training Sites:*

Acibadem Atakent Hospital (ATAK)

Acibadem Maslak Hospital (MAS)

## **Responsibilities:**

- Working hours in the attended Departments usually are between 08:30 and 17:00 during the weekdays.
- The supervisor will complete the internship assessment form after the course based on evaluation of Clinical case management, Interaction with patient and community, Professionalism, Personal Professional attitude.
- Interns will deliver their assessment forms completed by their field trainer to the Intern Internship Coordinator at the end of the internship period.
- The interns who cannot obtain sufficient evaluation will fail and repeat the course.
- The interns should comply with the terms and rules of the visited departments-units, consulting staff, and the special requirements asked for by the clinicians-field trainers. Maximum care should be performed in order to keep the patient records unexposed.
- Interns with absence without a solid excuse, particularly documented, and/or permission of consulting staff will have compensation on-call duties. Absence more than legal limit will lead to repetition of the course program.

**WATCH OUT FOR FOLLOWING:***Behave according to ethical and legal principles.*

- Act in a safe way towards patients. Understand the potential to do psychological harm to patients by providing untrained/unsupervised psychotherapeutic interventions and fostering inappropriate doctor-patient attachments.
- View psychiatric patients as being deserving of the same high standard medical care as patients with other medical conditions.
- Respect privacy/confidentiality rules designed by the relevant institute
- Organize a timetable amongst your group and come in pairs to attend Outpatient Clinics.

TIMETABLE					
WEEK/DAY	Monday	Tuesday	Wednesday	Thursday	Friday
1	Operating Room	Operating Room	Operating Room	Operating Room	Operating Room
2	Outpatient Clinics	Outpatient Clinics	Outpatient Clinics	Outpatient Clinics	Outpatient Clinics
3	Ward	Ward	Ward	Ward	Ward
4	Night Shift	Night Shift	Night Shift	Night Shift	Night Shift

Date	Unit/Task	Signature of consulting doctor
	ATAK/MAS	
	BRSHH Psychiatric Emergency	
	BRSHH Outpatient Clinic	
	Case Presentation	

Task Table

Clerkship

COMMUNITY HEALTH AND PRIMARY CARE

MED 606

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b> <b>8</b>	<b>ECTS</b> <b>10</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 8 weeks</b>		

Phase II/III Coordinators	Phase II/III Clinical Education Coordinators
<p><b>Işıl PAKİŞ</b> M.D. Prof.</p> <p><b>Demet DİNÇ</b> M.D., Instructor</p>	<p><b>Sevgi ŞAHİN</b> M.D., Prof.</p> <p><b>Bilgi BACA</b> M.D., Prof.</p> <p><b>Serdar BEKEN</b> M.D., Prof.</p>

#### Program Coordinators

**Pınar TOPSEVER**  
M.D., Prof

**Yeşim YASİN**  
Ph.D., Assoc. Prof.

#### Academic Units & Staff

##### Public Health:

**Nadi BAKIRCI**  
M.D., PhD, Prof.

**Figen DEMİR**  
M.D., Assoc. Prof.

**Yeşim YASİN**  
PhD, Assoc. Prof.

##### Family Medicine:

**Pınar TOPSEVER**  
M.D., Prof.

**Efe ONGANER\***  
M.D., Assist. Prof.

**Demet DİNÇ**  
M.D., Instructor

**Şirin PARKAN**  
M.D., Instructor

##### Forensic Medicine

<b>Course Duration</b>	8 Weeks
<b>Educational Methods</b>	<ul style="list-style-type: none"> <li>• Practice in Family Health Centers (Aile Sağlığı Merkezleri) and District Health Directorates (İlçe Sağlık Müdürlükleri) and as well as other community-based primary care institutions, e.g. hospice and home-care institutions, migrant health clinics (Göçmen Sağlığı Merkezleri), anti-TB clinics (Verem Savaş Dispanserleri), elderly homes.</li> <li>• Observation of patient journey and care trajectories through case analyses and discussions, critical event analyses</li> <li>• Structured tutor feed-back sessions</li> <li>• Reflection sessions, peer education</li> <li>• Site visits</li> <li>• Seminars</li> <li>• Journal clubs</li> <li>• Health promotion project presentations</li> </ul>
<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• Performance assessment via;</li> <li>• Assessment of student presentations (journal club, seminar and health promotion projects)</li> <li>• Active attendance as outlined in the log book.</li> </ul>
<b>Course Aims</b>	This community-based medical education program aims to provide an experiential learning and training environment for practice in primary health care institutions mentioned above. The overall goal is to consolidate knowledge and skills* regarding basic principles of community health and primary and preventive care, as well as the practice of family medicine.
<b>Learning Outcomes</b>	<p>At the end of this program, interns will be able to:</p> <ul style="list-style-type: none"> <li>• Manage first contacts with patients, dealing with unselected problems,</li> <li>• Co-ordinate care with other healthcare professionals,</li> <li>• Act as an advocate for the patient within the social security and health care system,</li> <li>• Understand the financial and legal frameworks in which health care is given at primary care level,</li> <li>• Adopt a person-centered approach in dealing with patients and problems in the context of the patient's circumstances,</li> <li>• Communicate, set priorities and act in partnership,</li> <li>• Value the benefit of continuity of care as determined by the needs of the patient,</li> <li>• Accept and manage complexity in clinical and ethical decision-making,</li> <li>• Relate specific decision-making processes to the prevalence and incidence of illness in the community,</li> <li>• Selectively gather and interpret information from history-taking, physical examination, and investigations and apply it to an appropriate management plan in collaboration with the patient,</li> <li>• Observe the effectiveness of certain clinical working principles. e.g. incremental investigation, using time as a tool (watchful waiting-WW) and to tolerate uncertainty,</li> <li>• Intervene urgently when necessary,</li> <li>• Manage conditions which may present early and in an undifferentiated way,</li> <li>• Manage simultaneously multiple complaints and pathologies, both acute and chronic health problems in the individual,</li> <li>• Promote health and well-being by applying health promotion and disease prevention strategies appropriately,</li> </ul>

## Learning Outcomes

- Reconcile the health needs of individual patients and the health needs of the community in which they live in balance with available resources,
- Analyze and discuss the impact of the local community, including socio-economic factors, geography and culture on health, the workplace and patient care,
- Use a bio-psycho-social model taking into account cultural and existential dimensions,
- Investigate and design a strategy to control outbreaks-epidemics,
- Calculate, interpret and use health indicators,
- Observe and discuss services delivered by District Health Directorates (İlçe Sağlık Müdürlükleri-İSM),
- Appraise the impact of policies, laws, and legislation on both, individual and population health,
- Explain and practice the Expanded Program on Immunization (EPI),
- Define target groups of the EPI and also adulthood vaccination,
- Calculate immunization rates, vaccination coverage and vaccine needs,
- Discuss cold chain and its importance,
- Apply the basic principles of communicable disease control in community settings,
- Name health promotion and prevention programs implemented by the Ministry of Health,
- Evaluate the characteristics of the current health system at primary level health services,
- Identify the environmental and occupational hazards, discuss their role in health and name control strategies,
- Explain effects of migration on health,
- Explain how to take a water sample and interpret analysis results,
- Explain how to plan health care services in disaster conditions/health emergencies,
- Name and explain mode of action of modern family planning methods,
- Counsel individuals for an informed choice regarding their reproductive health,
- Educate communities for adopting a healthy life style,
- Define commonly used terms in LGBTI+ health, describe major health problems and identify barriers to access to healthcare and treatment for LGBTI+ communities,
- Manage forensic cases in primary health care

*\* patient-centered clinical consultation skills, clinical, scientific and ethical reasoning, application of appropriate scientific methodology to conduct research in the community-primary care, critical appraisal of the literature, presentation skills, effective communication with colleagues and the community, professional conduct.*

## COMPULSORY TASKS DURING THE PROGRAM

*Behave according to ethical and legal principles.*

### 1) Attendance to Seminars, Journal Clubs, Clinical Practice and Workshops in Public Health-Family Medicine:

Attendance to all training activities is a main performance criterion of the internship. Attendance to all seminars and journal clubs, as well as to the practice rotations, site visits and the District Health Directorate and Family Health Center clinical clerkships is mandatory.

### 2) Outpatient Clinic in a Family Health Unit supervised by a Family Physician (Aile Sağlığı Birimi, Aile Hekimi):

Beginning in the 3rd week of the internship, interns will start consulting at a family health unit outpatient clinic under the supervision of a family physician (field trainer), on average 4 days a week. This part of the internship will primarily focus on clinical experience in general practice out-patient care. Interns have to comply with local working regulations as outlined by the responsible field trainer and are responsible for returning their attendance sheets signed daily by the field trainer to the faculty in charge.

### 3) Site Visits:

Daily site visits to the institutions mentioned below are organized. Interns are required to present at the visited venue, detailed information on the program is provided in due course.

- a. District Health Directorate (İlçe Sağlık Müdürlüğü)
- b. Istanbul Medical Chamber (İstanbul Tabip Odası, İTO)

### 4) Practice Rotations:

To observe and experience the practice of community-based health services for vulnerable groups, the interns visit various primary health care institutions mentioned below in small groups.

- a. Hospice, Chronic and Home Care Facility (ALife)
- b. Anti-Tuberculosis Clinic (Verem Savaş Dispanseri)
- c. Migrant Health Center (Göçmen Sağlığı Merkezi)

### 5) Health Promotion Project for the Community; Aim and Infrastructure:

The aim of this task is to identify and investigate a significant problem within the community, based on observations during the internship. When planning the health promotion project, the interns shall experience the benefit of scientific and analytical thinking to define, better understand, and possibly resolve significant health/health care infrastructure problems in the community.

#### Subject:

The subject of the health promotion projects should arise from a significant problem within the local community where the interns conduct their practices in primary care.

#### Tasks and timetable:

Interns are required to form their working groups (WGs) of 2-3 interns each. The final project proposals are to be presented by the WGs at the end of the internship.

#### The project proposals are required to be;

- shared by oral presentations by the WGs to the whole group and the faculty,
- turned in as written reports to the faculty if asked for.

### 6) Journal Clubs and Seminars:

Journal clubs and seminars are run by the interns each week. In the first week, interns are assigned seminar topics and/or research study designs. Interns who are assigned to run a journal club have to choose an article from a selection of relevant primary care journals, the list of which is provided in the first week. Journal clubs are critical appraisal sessions of articles, presented by an intern followed by group discussion.

### 7) Attendance:

Attendance to all seminars (faculty and intern seminars), workshops and journal clubs – as to all activities of the clerkship! – is mandatory.

## **USEFUL INFORMATION:**

### **Training Sites:**

#### **Family Health Units- Centers and District Health Directorates:**

All Family Health Centers and District Health Directorates attended by the interns are based in the districts of Ümraniye or Küçükçekmece in Istanbul, which are the primary health care research and training regions of ACU SoM as per protocol between Acibadem University and the Local Authorities. Interns will be asked to choose one of the assigned protocol regions and will be informed about their training sites in due course.

#### **Journal Club and Seminar Topics:**

Subjects for discussion during lectures, seminars and practice are provided to all students in the first week.

#### **Responsibilities:**

- 1) Working hours in the attended health institutions usually are between 08:30 and 17:00 during the weekdays.
- 2) Working hours in the Family Health Units-Family Health Centers will be communicated by field trainers- faculty in charge.
- 3) The consulting family physicians (field trainers) will complete the internship assessment form at the end of the internship based on evaluation of clinical case management, interaction with patients and community, professionalism and attitude.
- 4) Interns will deliver their assessment forms completed by their field trainer to the Intern Clerkship Coordinator at the end of the internship period.
- 5) The interns who cannot obtain sufficient evaluation will fail and repeat the course.
- 6) The interns should comply with the terms and rules of the visited departments-units, consulting staff and the special requirements asked for by the clinicians-field trainers. Maximum care should be performed in order to keep the patient records unexposed.
- 7) Interns with absenteeism without a valid excuse as defined by regulations, without documentation and/or permission of consulting staff will have compensation on-call duties. Absenteeism over the legal limit will cause a necessity to repeat the internship.
- 8) Maximum care should be performed to comply with hygienic procedures.

**Clerkship**

**EMERGENCY MEDICINE**

**MED 607**

**Educational Language**

**English** (Practical sessions will be conducted in Turkish)

**Course Type**

**Compulsory**

**Credit**

**ECTS**

**Course Level**

**Undergraduate**

**8**

**10**

**Year / Duration**

**Year VI / 8 weeks**

**Phase II/III  
Coordinators**

**Işıl PAKİŞ**  
M.D. Prof.  
**Demet DİNÇ**  
M.D., Instructor

**Phase II/III  
Clinical Education Coordinators**

**Sevgi ŞAHİN**  
M.D., Prof.  
**Bilgi BACA**  
M.D., Prof.  
**Serdar BEKEN**  
M.D., Prof.

**Program Coordinators**

**Cem GÜN**  
M.D., Assist. Prof.  
**Hasan ALDİNÇ**  
M.D., Assist. Prof.

**Academic Units & Staff**

**Serpil YAYLACI**  
M.D., Prof.  
**Cem GÜN**  
M.D., Assist. Prof.  
**Hasan ALDİNÇ**  
M.D., Assist. Prof.  
**Kamil KAYAYURT**  
M.D., Instructor  
**Veysel BALCI**  
MD., Instructor



<p><b>Educational Methods</b></p>	<p><b>Clinical Skills Training.</b></p> <ul style="list-style-type: none"> <li>• CASE Simulation boot camp</li> <li>• Program content</li> <li>• 1st day; Altered Mental Status Management</li> <li>• 2nd day; Multiple Trauma Management</li> <li>• Focused Assessment with Sonography for Trauma (FAST) Lecture and practice with simulator</li> <li>• 3rd day; Chest Pain Management, Dyspnea Management</li> <li>• 4th day; Abdominal Pain Management</li> <li>• 5th day; Busy Day in the ED</li> </ul> <p>Chaos of the ED is created by standardized patients and simulators. In the first 3 days of theme-based simulation sessions, instructors play the role of patient’s relatives to increase the stress factor of the situation. In the last 2 days, standardized patients are created by real actors and instructors and high- fidelity simulators are used together to improve communication skills and for crisis resource management training. To enhance the realism, real hospital documentation and laboratory tests are used, such as electrocardiogram, computed tomography and ultrasonography. For crisis resource management training, breaking bad news to agitated patient’s relatives added to the scenarios at busy ED. Attend of the each simulation session, debriefings are performed by watching the recorded videos. According to their technical and nontechnical skills, participants are evaluated.</p> <p>Case Discussions (ECG, X-ray reading)  Blended learning  Flipped classroom  Online meetings <a href="https://iem-student.org/2018-edition/download-2018-book/">https://iem-student.org/2018-edition/download-2018-book/</a>  Bed Side Training  Department Lecture Day on Tuesdays Student presentations</p>
<p><b>Assessment Methods</b></p>	<p><b>Performance assessment via;</b></p> <ul style="list-style-type: none"> <li>• Portfolio; comprehensive case presentations and reports assessment of student presentations (journal club, seminar and bed side visit) active attendance as outlined in the log book.</li> <li>• Patient reports recorded by students (Approach to clinical management for cardinal symptoms (Chest pain, abdominal pain, shortness of breath, trauma, vaginal bleeding, orthopedic injuries)</li> <li>• Attendance to clinics and compliance,</li> <li>• Midrotation meeting practice-based tutor feed-back to identify strengths and opportunities</li> </ul> <p>Students are evaluated by staff attending emergency physicians with whom they have worked during the period. Criteria utilized to evaluate a student’s performance include the following: Patient care, medical knowledge, interpersonal and communication skills, professionalism.</p>
<p><b>Course Aims</b></p>	<ul style="list-style-type: none"> <li>• To provide the student with the opportunity to gain experience in assessing a wide range of clinical problems seen in a teaching hospital emergency department (ED);</li> <li>• To improve student’s; <ul style="list-style-type: none"> <li>• Ability to take an accurate and concise history and physical exam in the undifferentiated patient; Undifferentiated emergency patients present with symptoms, not diagnoses.</li> <li>• Ability to generate a comprehensive differential diagnosis ability to consider the worst possible (life- threatening) conditions first.</li> <li>• Ability to develop a differential diagnosis, investigation plan, treatment, and disposition of the undifferentiated patient; technical skills in providing patient care in the ED. communication, collaboration, and Professional skills required for patient care in the ED.</li> </ul> </li> </ul>

<p><b>Learning Outcomes</b></p>	<p><b>At the end of this program, interns will be able to:</b></p> <ul style="list-style-type: none"> <li>• Consider the worst possible (life- threatening) conditions first.</li> <li>• Take an accurate and concise history and physical exam in the undifferentiated patient.</li> <li>• Generate a comprehensive differential diagnosis in ED.</li> <li>• Have technical skills in providing patient care in the ED. (e.g., CPR, intubation, defibrillation)</li> <li>• Have communication, collaboration, and Professional skills required for patient care in the ED.</li> <li>• Have an adequate skill of decision making on patient discharge and writing prescription.</li> </ul>
<p><b>Assessment Methods</b></p>	<p>Failure to sign in will be interpreted as absence;  20 % absence requires repeating the course,  Attendance to clinics and compliance,  Competency in Patient care, Case Presentations  Paper/Lecture presentations, Attitude during rounds are measured.</p>

## COMPULSORY TASKS DURING THE INTERNSHIP

### 1. Attendance to CASE Boot Camp in Emergency Medicine:

The first week of the internship entail a program of boot camp with theoretical and practical emphasis for orientation and preparation purposes.

### 2. Emergency Department supervised by an Attending Emergency Physician:

Beginning in the 2nd week of the internship, students will start consulting at an emergency department under the supervision of a attending emergency physician. This part of the internship will primarily focus on clinical experience in emergency medical care. Students have to comply with local working regulations as outlined by the responsible physician and are responsible returning their attendance sheets\* to the faculty in charge (\*signed daily by the responsible physician).

### 3. Journal Clubs and Seminars:

Journal clubs and seminars are run by interns and faculty on Tuesdays, each week. Journal clubs are critical appraisal sessions of articles, presented by a student or faculty member followed by group discussion.

### 4. Attendance:

Attendance to CASE Boot Camp and all seminars (faculty and student seminars), workshops and journal clubs – as to all activities of the internship is mandatory.

## Useful information:

### Training Sites:

- Acıbadem Atakent Hospital, (ATAK)
- Acıbadem Mehmet Ali Aydınlar University – CASE
- Acıbadem Maslak Hospital, (MAS)
- Acıbadem Altunizade Hospital, (ATZ)

### Responsibilities:

- Working with two shifts in Emergency Department are 08:00am – 17:00pm and 17:00 pm – 08:00am during the weekdays.
- Boot camp days start at 09:00 am in CASE.
- The signature sheet will be available for interns between 08:00am - 08:30am and 17:00pm-17:30 pm during weekdays.
- The internship program for Emergency Department consists of 8 weeks in 4 different periods.
- The interns will work under the supervision of an academic staff and will primarily focus on clinical experience in emergency department.
- The consulting physicians will complete the internship assessment form after 4-weeks course based on evaluation of Clinical case management, Interaction with patient and community, professionalism, personal professional attitude.
- Interns will provide their assessment forms fulfilled by their consultants and deliver to Intern İnternship Director at the end of each 4-weeks course.
- The interns who cannot obtain sufficient marks from assessing consultants will fail and repeat the course. Sufficient means that he/she performed at least 60% of the above-mentioned performance.
- The interns should comply with the terms and rules of the Emergency Department, consulting staff, and the special requirements asked by the clinical wards. Maximum care should be performed in order to keep the patient records unexposed.
- Interns with absenteeism without a solid excuse, particularly documented, and/or permission of consulting staff will have compensation on-call duties. Absenteeism more than legal limit will cause the renewal of the course program.
- Maximum care should be performed to comply with hygienic procedures to keep the patients germ-free not only in intensive care units but also in outpatient clinics.

**TIMETABLE**

<b>WEEK</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
Week 1	CASE	CASE	CASE	CASE	CASE
Week 2	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	E. DEPARTMENT
Week 3	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	E. DEPARTMENT
Week 4	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	MIDROTATION MEETING
Week 5	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	E. DEPARTMENT
Week 6	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	E. DEPARTMENT
Week 7	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	E. DEPARTMENT
Week 8	E. DEPARTMENT	J. CLUB / SEMINER	E. DEPARTMENT	E. DEPARTMENT	E. DEPARTMENT

**TASK TABLE**

TASK TABLE			
<b>Name/Surname:</b>		<b>Start Date:</b>	<b>End Date:</b>
A1: Should perform, learn, master and interpret A2: Watching and contribution will be enough		Teaching Staff	
Task/Procedure	Patient Protocol No	Date	Responsible Instructor Signature
EKG Practice and Interpretation (A1)			
Taking of Arterial Blood Gas Sample (A1)			
Peripheral Intravenous Catheter Insertion and Taking Blood Sample (A1)			
Basic and Advanced Life Support Practice (A1- Simulation included)			

Task/Procedure	Patient Protocol No	Date	Responsible Instructor
Oropharyngeal Bag-Valve-Mask and Airway Practice (A1-Simulation included)			
Defibrillation and Cardioversion Practice (A1- Simulation included)			
Trauma Backboard and Cervical Collar Practice (A1- Simulation included)			
Evaluating Trauma Patient (A1- Simulation included)			

Task/Procedure	Patient Protocol No	Date	Responsible Instructor
Nasogastric Tube Placement (A2)			
Bladder Catheter Insertion (A1)			
IM Injection Practice (A1)			
Wound Dressing and Care (A1)			
Prescribing(A1)			

Task/Procedure	Patient Protocol No	Date	Responsible Instructor Signature
Radiographic Interpretation(A1)			
Nebulized inhaler and Oxygen Treatment Practice (A1)			
Intubation (A2-Simulation included)			
Fracture - Dislocation Reduction (A2)			
Orthopedic Cast-Splinting Practice (A2)			
Focused Assesment with Sonography for Trauma (FAST) Practice (A2)			



**Suggested Reading:****You will have online books and sources in ACU Learning Medical Space MED 607**

- Tintinalli's Emergency Medicine: A Comprehensive Study Guide, 9th edition 2020.
- <https://emergencymedicinecases.com/>
- <http://www.ebooksz.com/2015/09/03/download-rosens-emergency-medicine-concepts-and-clinical-practicev-8th-edition/>
- <http://www.acilci.net/category/teknik-kategori/yazi-serisi/litfl-ekg-kutuphanesi/>
- <http://www.torrentmobz.com/ebooks/43526-goldfranks-toxicologic-emergencies-10-e-goldfranks-toxicologic-emergencies.html>
- [http://emedicine.medscape.com/emergency\\_medicine](http://emedicine.medscape.com/emergency_medicine)
- <http://www.acilci.net/category/teknik-kategori/akademik/kilavuzlar/>
- <http://tarascon-emergency-medicine.soft112.com/>
- <http://www.aciltip.org/Hbrk-1-Girisimse1-40.html>
- Textbook of Pediatric Emergency Medicine [https://books.google.com.tr/books/about/Textbook\\_of\\_Pediatric\\_Emergency\\_Medicine.html?id=a7CqcE1ZrFkC&redir\\_esc=y](https://books.google.com.tr/books/about/Textbook_of_Pediatric_Emergency_Medicine.html?id=a7CqcE1ZrFkC&redir_esc=y)
- <http://www.aazea.com/book/trauma-a-comprehensive-emergency-medicine-approach/>
- <http://accessemergencymedicine.mhmedical.com/book.aspx?bookID=385>
- <https://iem-student.org/2018-edition/download-2018-book/>

**Clerkship**

**SIMULATED CLINICAL PRACTICE**

**MED 608**

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b> <b>1</b>	<b>ECTS</b> <b>1</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 1 weeks</b>		

Phase II/III Coordinators	Phase II/III Clinical Education Coordinators
<p><b>Işıl PAKİŞ</b> M.D. Prof.</p> <p><b>Demet DİNÇ</b> M.D., Instructor</p>	<p><b>Sevgi ŞAHİN</b> M.D., Prof.</p> <p><b>Bilgi BACA</b> M.D., Prof.</p> <p><b>Serdar BEKEN</b> M.D., Prof.</p>

**Program Coordinators**

**Dilek KİTAPÇIOĞLU**  
M.D., Assist. Prof.

**Academic Units & Staff**

**CASE (Center of Advanced Medical Simulation and Education)**

**Dilek KİTAPÇIOĞLU**  
M.D., Assist. Prof.

**Feray GÜVEN**  
M.D., Instructor

**Emel KOÇER GÜR**  
M.D., Instructor

<b>Course Duration</b>	1 Week
<b>Educational Methods</b>	E- Learning modules for theoretic sessions Clinical Skills Practice on task trainers Simulation sessions with high-fidelity manikins and virtual patients in virtual hospital set-up Debriefing
<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• Tutorial feed-back to students about their performances on simulated difficult clinical situations</li> <li>• Reflection and formative assessment</li> </ul>
<b>Course Aims</b>	<p><b>This program aims to;</b></p> <ul style="list-style-type: none"> <li>• Improve clinical skills for the management of unstable patients, multi-trauma patients and cardiopulmonary arrest in a safe environment,</li> <li>• Improve non-technical skills for teamwork and crisis resource management bring in experience by practicing on high fidelity manikins in real -like hospital set-up for management of clinical problems they will encounter frequently in real clinical conditions.</li> </ul>
<b>Learning Outcomes</b>	<p><b>At the end of this program, interns will be able to:</b> <i>State diagnostic and therapeutic approach to;</i></p> <ul style="list-style-type: none"> <li>• Cardiopulmonary arrest (adult &amp; pediatric),</li> <li>• Multi-trauma patients,</li> <li>• Unstable patients (ABCDE approach),</li> </ul> <p><b>Manage Crisis Situations:</b></p> <ul style="list-style-type: none"> <li>• Teamwork,</li> <li>• Collaboration,</li> <li>• Communication,</li> <li>• Leadership,</li> </ul> <p><b>Perform Technical Skills for Providing Unstable Patient Care:</b></p> <ul style="list-style-type: none"> <li>• Advanced airway management,</li> <li>• Defibrillation,</li> <li>• Needle decompression,</li> <li>• Cricothyrotomy,</li> <li>• Collar placement,</li> <li>• Control of active bleeding,</li> <li>• Iv and IO catheterization.</li> </ul>

## **COMPULSORY TASKS DURING THE PROGRAM**

### **Attendance to:**

#### **Skills lab:**

Students have to perform the skills under the supervision of educators

### **Simulation sessions:**

Students have to attend all simulation sessions. Everyday regarding to the daily program students perform at different simulated clinical situations. Performances are recorded and at the end of each session educators give feedbacks to the students via observing records.

### **Debriefing:**

Students attend to debriefing sessions and give feedbacks for both their own performances and team members' performances to educators.

### **Attendance:**

Attendance to all lectures, skill lab activities, simulation sessions and debriefing is mandatory.

### **Responsibilities:**

- Working hours usually are between 09:30 and 17:30 during the weekdays.
- The signature sheets will be signed between 09:00-09:30 and 16:30-17:30 during weekdays.
- Interns with absenteeism without a solid excuse, particularly documented, and/or permission of consulting staff will have compensation on-call duties. Absenteeism more than legal limit will cause the renewal of the course program.

Clerkship

SIMULATED CLINICAL PRACTICE

MED 6001  
MED 6002

<b>Educational Language</b>	<b>English</b> (Practical sessions will be conducted in Turkish)	<b>Credit</b> <b>4</b>	<b>ECTS</b> <b>5</b>
<b>Course Type</b>	<b>Compulsory</b>		
<b>Course Level</b>	<b>Undergraduate</b>		
<b>Year / Duration</b>	<b>Year VI / 4 weeks</b>		

**Phase III  
Coordinators**

**Işıl PAKIŞ**  
M.D. Prof.

**Demet DİNÇ**  
M.D., Instructor

**Sevgi ŞAHİN**  
M.D., Prof.

**Bilgi BACA**  
M.D., Prof.

**Serdar BEKEN**  
M.D., Prof.

**Program Coordinators**

**Dilek KİTAPÇIOĞLU**  
M.D., Assist. Prof.

**Academic Units & Staff**

**CASE (Center of Advanced Medical Simulation and Education)**

**Dilek KİTAPÇIOĞLU**  
M.D., Assist. Prof.

**Feray GÜVEN**  
M.D., Instructor

**Emel KOÇER GÜR**  
M.D., Instructor

<b>Course Duration</b>	8 Week
<b>Course Aims</b>	<ul style="list-style-type: none"> <li>• A sixth-year medical student in Acibadem University Medical Faculty selects an elective internship where he or she will act as an intern of first year graduate under the supervision of senior house staff and attending physicians.</li> </ul>
<b>Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• The clerkship is almost all the time selected by the student upon his/her professional interest and career plan. Thus, the student can experience a glimpse of his/her future career without the burden of full responsibility.</li> </ul>
<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• At the end of the elective rotation, an Elective Assessment Report must be completed by the Elective Supervisor and returned as soon as possible to Medical School Office of Acibadem University.</li> <li>• If an Elective Assessment Report is not received the student is deemed to have failed the elective rotation.</li> </ul>
<b>Requirements</b>	<ul style="list-style-type: none"> <li>• All Acibadem University Medical students must complete a total of eight-week clinical elective prior to graduating the faculty.</li> <li>• An Elective Approval Form must be submitted to School of Medicine with details of the elective that the student is applying for.</li> <li>• The interns may complete their Electives in training hospitals or universities in or outside Turkey. For this option, they should previously apply to Dean's Office, request permission at the time period stated by Dean's Office. If the approval is not received, the student must complete the selected Elective in Acibadem University.</li> </ul> <p><i>Further information can be found in the electives guide (Seçmeli Staj Rehberi)</i></p>

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# ACIBADEM

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# UNIVERSITY

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