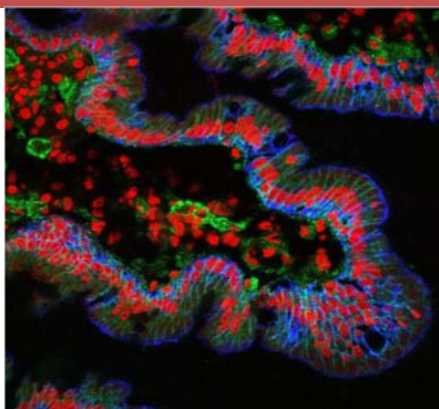




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS

YEAR 3 COURSE 2

October 27th, 2020 – December 24th, 2020

Year 3 Coordinators

Prof., Arzu Akşit İLKİ & Assoc. Prof., Pinar Mega TİBER & Assoc. Prof., Amber EKER

PBL Module Coordinator

Prof., Özlem SARIKAYA
Assist. Prof., Bülent SEZGİN

Coordinator of Multidisciplinary Students' Lab.

Assoc. Prof., Betül KARADEMİR
Assist. Prof., Mümtaz GÜRAN

Coordinator of Clinical Skill Lab.

Prof., Pemra ÜNALAN
Assoc. Prof., Nilüfer GÜZOĞLU

Coordinator of ICS Res. Lab.

Prof., Pemra ÜNALAN
Assist. Prof., İlke AKÇAY

Vice-Chief Coordinators

Assessment

Asist. Prof., Cevdet NACAR
Assist. Prof., Halil Eren SAKALLI

Student Affairs

Asist. Prof., Can ERZİK
Inst. Yöner MERAY

Chief Coordinator

Assoc. Prof., Hasan YANANLI
Assist. Prof., Mümtaz GÜRAN

**Coordinator of Medical Education Program
Evaluation and Development Commission**

Prof., Berrak Ç. YEĞEN

Educational Consultant

Prof., Mehmet Ali GÜLPINAR

Dean (EMU)

Prof., Nahide GÖKÇORA

Dean (MU)

Prof., Hakan Gündüz

LEARNING OUTCOMES / COMPETENCIES

Clinical Care: Qualified patient care and community oriented health care

Basic clinical skills

The organization and management of the patient and the patient care

The organization and the management of health care delivery services / system

Health promotion and disease prevention

Medical Knowledge and Evidence-Based Medicine

Appropriate information retrieval and management skills

The integration of knowledge, critical thinking and evidence-based decision making

Scientific methods and basic research skills

Professional Attitudes and Values

Communication skills and effective communication with patients / patient relatives

Interpersonal relationships and team working

Ethical and professional values, responsibilities

Individual, social and cultural values and responsibilities

Reflective practice and continuing development

Healthcare delivery systems, management and community oriented health care

Education and counseling

PHASE-1 LEARNING OBJECTIVES

Understanding the normal structures and functions of human body

Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions

Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge

Gaining basic clinical skills by applications in simulated settings.

Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills

Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional, and ethical values

Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course 4: Growth, Development, Mental Health and Related Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS

AIM and LEARNING OBJECTIVES of COURSE

Aim: At the end of this committee, third year students will gain knowledge about the development, structure and physiology of the gastrointestinal system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of gastrointestinal system disorders, related risk factors, prevention, diagnosis and principles of treatment.

Learning Objectives: At the end of this committee, third year student will,
 understand and review the development, histology and structure of the gastrointestinal system,
 understand the working mechanism of gastrointestinal function and its regulation,
 comprehend gastrointestinal system as a processor converting foods to building stones of energy,
 define the pathologic processes in gastrointestinal system disorders,
 gain knowledge about microorganisms that affect the gastrointestinal system and its infections,
 gain knowledge about the risk factors related to gastrointestinal system disorders and preventive measures,
 gain knowledge about the major signs and symptoms of these disorders
 gain knowledge about the approach to diagnosis, and principles of treatment in gastrointestinal disorders and
 comprehend laboratory investigation as a part of differential diagnosis.

ASSESSMENT SYSTEM

Module examination: Written exam at the end of the course and performance during the module (10 % of final score)

Practical examination: Practical exams at the end of course

Course examination: Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE 3.2 & MODULE 3.2

Anatomy
 Biochemistry
 Biophysics
 Family Medicine
 General Surgery
 Histology and Embryology
 Internal Medicine-Gastroenterology
 Medical Genetics
 Medical Microbiology

Pathology
 Pediatrics
 Pediatric Surgery
 Pharmacology
 Physiology
 Public Health
 Radiology

LECTURERS / TUTORS

Ahmet Akıcı, Prof., Pharmacology
 Ahmet Arman, Prof., Medical Genetics
 Ahmet Topuzoğlu, Prof., Public Health
 Alper Yıldırım, Assoc. Prof., Physiology
 Amber Eker Bakkaloğlu, Assoc. Prof., Neurology
 Arzu Uzuner, Assoc. Prof., Family Medicine
 Atila Karaalp, Prof., Pharmacology
 Aymelek Yalın, Prof., Anatomy
 Ayşegül Karahasan, Prof., Microbiology
 Berfu Çerçi Öngün, Inst., Anatomy
 Berrak Yeğen, Prof., Physiology
 Betül Karademir, Prof., Medical Biochemistry
 Bülent Sezgin, Assist. Prof. Internal Medicine
 Cemal Gürkan, Inst., Forensic Sciences

Necmettin Ömer Özdoğan, Assoc. Prof., Anatomy
 Nevin Yılmaz, Prof. Gastroenterology
 Nilüfer Güzoğlu, Assoc. Prof., Neonatology
 Nimet Emel Lülecı, Prof., Public Health
 Nurtane Karagil, Instructor, Arts and Crafts
 Nurver Ülger, Prof., Medical Microbiology
 Osman Cavit Özdoğan, Prof., Gastroenterology
 Ömer Günal, Prof., General Surgery
 Önder Şirikçi, Prof., Biochemistry
 Özgür Kasımay Çakır, Assoc. Prof., Physiology
 Özlem Kirazlı, Asst. Prof., Anatomy
 Özlen Altuğ, Prof., Gastroenterology
 Pelin Bağcı, Assoc. Prof., Pathology
 Pınar Mega Tiber, Assoc. Prof., Biophysics

Cevdet Nacar, Asst. Prof., Biophysics Çiğdem Ataizi Çelikel, Prof., Pathology Deniz Ertem, Prof., Pediatrics Deren Çeker, Inst. Medical Anthropology Emine Bozkurtlar, Asst. Prof., Pathology Emine Özerinç, Instructor of Turkish Language Ergül Mutlu Altundağ, Assist. Prof., Medical Biochemistry Feriha Ercan, Prof., Histology and Embryology Feyza Gündüz, Assoc., Prof. Gastroenterology Goncagül Haklar, Prof., Medical Biochemistry Gülru Pemra Ünalın, Prof., Family Medicine Halil Eren Sakallı, Assist. Prof., Pharmacology Hızır Kurtel, Prof., Physiology İlke Akçay, Assist. Prof., Biostatistics Kıvılcım Karadeniz Cerit, Assoc. Prof., Pediatric Surgery Masoud Afshani, Asst. Prof., Histology and Embryology Medine Gülçebi İdrizoğlu, Assoc. Prof., Medical Pharmacology Mümtaz Güran, Assist. Prof., Microbiology Nahide Gökçora, Prof., Nuclear Medicine	Saime Batırel, Assoc. Prof., Medical Biochemistry Serap Şırvancı, Prof., Histology and Embryology Şirin Funda Eren, Prof., Pathology Şule Çetinel, Prof., Histology and Embryology Ufuk Hasdemir, Prof., Medical Microbiology Ural Verimli, Asst. Prof., Anatomy Ümit S. Şehirli, Prof., Anatomy Yeşim Özen Alahdab, Assoc. Prof., Internal Medicine Yusuf Yılmaz, Prof., Internal Medicine Zeliha Leyla Cinel, Prof., Pathology
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SUMMARY OF THE COURSE 3.2			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	18	8	26
Biophysics	3		3
Family Medicine	2		2
General Surgery	1		1
Histology and Embryology	6	3	9
Internal Medicine/Gastroenterology	22		22
Medical Biochemistry	22	2	24
Medical Genetics	1		1
Medical Microbiology	10	1	11
Nuclear Medicine	1		1
Pathology	23	3	26
Pediatrics	3		3
Pediatric Surgery	1		1
Pharmacology	5		5
Physiology	17		17
Public Health	3		3
Subtotal	138	17	155
PBL Module	8		8
ICS-3 Clinical: Basic Medical Practices (BMP), Clinical Skills Lab. (CSL)	3	3	6
ICS-3 Research: Student Research Activity (SRA)		2	2
Turkish for Medical Students – IV	37		37
Turkish for Medical Students – IV (Interactive Session)	17		17
Elective Course	14		14
TOTAL	217	22	239

		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st WEEK (27 - 30 October, 2020)			
Cyprus Local Time	Turkey Local Time		
Tuesday		27 October	
08:00-8:50	09:00-09:50	Introduction to the course and opening lecture	Dr. Amber Eker*
09:00-09:50	10:00-10:50	Oral cavity, intraoral structures	Dr. Necmettin Ömer Özdoğan
10:00-10:50	11:00-11:50	Oral cavity, intraoral structures	Dr. Necmettin Ömer Özdoğan
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
15:00-15:50	16:00-16:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
Wednesday		28 October	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Salivary glands	Dr. Necmettin Ömer Özdoğan
10:00-10:50	11:00-11:50	Introduction to gastrointestinal system	Dr. Alper Yıldırım
12:00-12:50	13:00-13:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
14:00-14:50	15:00-15:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
Thursday		29 October	
08:00-8:50	09:00-09:50	REPUBLIC DAY OF TURKEY	
09:00-09:50	10:00-10:50		
10:00-10:50	11:00-11:50		

12:00-12:50	13:00-13:50		
13:00-13:50	14:00-14:50		
14:00-14:50	15:00-15:50		
Friday		30 October	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Oral digestion and deglutition	Dr. Hızır Kurtel
10:00-10:50	11:00-11:50	Oral digestion and deglutition	Dr. Hızır Kurtel
12:00-12:50	13:00-13:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
14:00-14:50	15:00-15:50	Genetics of gastrointestinal disorders	Dr. Ahmet Arman
15:00-15:50	16:00-16:50	STUDY TIME	
16:00-16:50	17:00-17:50	STUDY TIME	
		2nd Week (02 – 06 November, 2020)	
Monday		02 November	
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:40-14:30	14:40-15:30	STUDY TIME	
14:40-15:30	15:40-16:30	STUDY TIME	
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30		

Tuesday		03 November	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Biochemical aspects of nutrition	Dr. Saime Batirel*
10:00-10:50	11:00-11:50	Biochemical aspects of nutrition	Dr. Saime Batirel*
12:00-12:50	13:00-13:50	PBL-1	Dr. Amber Eker* Dr. Bülent Sezgin* Dr. Nevin Yılmaz* Dr. Nilüfer Güzoğlu*
13:00-13:50	14:00-14:50	PBL-1	
14:00-14:50	15:00-15:50	Peritonum and omenta	Dr. Aymelek Yalın*
15:00-15:50	16:00-16:50	Peritonum and omenta	Dr. Aymelek Yalın*
16:00-16:50	17:00-17:50		
Wednesday		04 November	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
14:00-14:50	15:00-15:50	Histology of stomach	Dr. Feriha Ercan
15:00-15:50	16:00-16:50	Histology of stomach	Dr. Feriha Ercan
16:00-16:50	17:00-17:50	STUDY TIME	
Thursday		05 November	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Gastric digestion	Dr. Berrak Yegen
10:00-10:50	11:00-11:50	Gastric digestion	Dr. Berrak Yegen
12:00-12:50	13:00-13:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*

14:00-14:50	15:00-15:50	Pathology of oral cavity and salivary glands	Dr. Şirin Funda Eren
15:00-15:50	16:00-16:50	Vessels of the abdomen	Dr. Ümit Süleyman Şehirli
16:00-16:50	17:00-17:50	Vessels of the abdomen	Dr. Ümit Süleyman Şehirli
Friday		06 November	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Jejunum, ileum and colon	Dr. Aymelek Yalın*
10:00-10:50	11:00-11:50	Jejunum, ileum and colon	Dr. Aymelek Yalın*
12:00-12:50	13:00-13:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
14:00-14:50	15:00-15:50	Pathology of gastritis and peptic ulcer disease	Dr. Zeliha Leyla Cinel
15:00-15:50	16:00-16:50	Rectum and anal canal	Dr. Aymelek Yalın*
16:00-16:50	17:00-17:50	STUDY TIME	
		3rd Week (09 – 13 November, 2020)	
Monday		09 November	
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:40-14:30	14:40-15:30	STUDY TIME	
14:40-15:30	15:40-16:30	STUDY TIME	
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30		
Tuesday		10 November	

08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Symptoms and signs of the gastrointestinal diseases	Dr. Özlen Atuğ
10:00-10:50	11:00-11:50	Symptoms and signs of the gastrointestinal diseases	Dr. Özlen Atuğ
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Pathology of oral cavity and salivary glands	Dr. Şirin Funda Eren
14:00-14:50	15:00-15:50	Liver, biliary and portal system	Dr. Ümit Süleyman Şehirli
15:00-15:50	16:00-16:50	Liver, biliary and portal system	Dr. Ümit Süleyman Şehirli
16:00-16:50	17:00-17:50	Pathology of esophagus	Dr. Pelin Bağcı
Wednesday		11 November	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Histology of the liver and portal system	Dr. Serap Şirvancı
10:00-10:50	11:00-11:50	Histology of pancreas	Dr. Serap Şirvancı
12:00-12:50	13:00-13:50	Temporomandibular joint, muscles of mastication	Dr. Necmettin Ömer Özdoğan
13:00-13:50	14:00-14:50	Temporomandibular joint, muscles of mastication	Dr. Necmettin Ömer Özdoğan
14:00-14:50	15:00-15:50	Exocrine functions of pancreas	Dr. Hızır Kurtel
15:00-15:50	16:00-16:50	Exocrine functions of pancreas	Dr. Hızır Kurtel
Thursday		12 November	
08:00-8:50	09:00-09:50	ICS-3 BMP: Gastrointestinal System History taking presentation (adult)	Dr. Nevin Yılmaz*
09:00-09:50	10:00-10:50	ICS-3 BMP: Gastrointestinal System History taking presentation (adult)	Dr. Nevin Yılmaz*
10:00-10:50	11:00-11:50	ICS-3 CSL: Gastrointestinal System History taking (adult -video)	Dr. Nevin Yılmaz*
12:00-12:50	13:00-13:50	ICS-3 BMP: Gastrointestinal System Physical Examination (adult)	Dr. Nevin Yılmaz*
13:00-13:50	14:00-14:50	ICS-3 CSL: Gastrointestinal System Physical Examination (adult)	Dr. Nevin Yılmaz*

14:00-14:50	15:00-15:50	ICS-3 CSL: Gastrointestinal System Physical Examination (adult -video)	Dr. Nevin Yılmaz*
15:00-15:50	16:00-16:50	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın*
16:00-16:50	17:00-17:50	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın*
Friday		13 November	
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	The role of bile in digestion	Dr. Hızır Kurtel
10:00-10:50	11:00-11:50	The role of bile in digestion	Dr. Hızır Kurtel
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Neoplastic diseases of stomach	Dr. Zeliha Leyla Cinel
14:00-14:50	15:00-15:50	Anterior abdominal wall	Dr. Ümit Süleyman Şehirli
15:00-15:50	16:00-16:50	Anterior abdominal wall	Dr. Ümit Süleyman Şehirli
16:00-16:50	17:00-17:50	STUDY TIME	
Saturday		14 November	
11:00-14:00	12:00-15:00	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
4th Week (16 – 20 November, 2020)			
Monday	16 November		
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:40-14:30	14:40-15:30	STUDY TIME	
14:40-15:30	15:40-16:30	STUDY TIME	
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*

		(MDCN-125-Medical Anthropology)	
16:40-17:30	17:40-18:30	STUDY TIME	
Tuesday	17 November		
08:00-8:50	09:00-09:50	Gastrointestinal absorption	Dr. Özgür Kasımay Çakır
09:00-09:50	10:00-10:50	Gastrointestinal absorption	Dr. Özgür Kasımay Çakır
10:00-10:50	11:00-11:50	Physiology of the gastrointestinal motility	Dr. Alper Yıldırım
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	Dyspepsia in primary care	Dr. Gülru Pemra Ünalın
15:00-15:50	16:00-16:50	Dyspepsia in primary care	Dr. Arzu Uzuner
16:00-16:50	17:00-17:50	STUDY TIME	
Wednesday	18 November		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Digestion in the small and large intestine	Dr. Hızır Kurtel
10:00-10:50	11:00-11:50	Physiological functions of vitamins	Dr. Özgür Kasımay Çakır
12:00-12:50	13:00-13:50	Energy metabolism, energy turnover and balance	Dr. Alper Yıldırım
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	Anatomy LAB: Oral cavity, intraoral structures	Dr. Necmettin Ömer Özdoğan Dr. Berfu Çerçi Öngün*
Thursday	19 November		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Pharmacotherapy in peptic ulcer disease	Dr. Medine Gülçebi İdriz Oğlu
12:00-12:50	13:00-13:50	Metabolism of carbohydrates	Dr. Goncagül Haklar

13:00-13:50	14:00-14:50	Metabolism of carbohydrates	Dr. Goncagül Haklar
14:00-14:50	15:00-15:50	Liver injury, regeneration and fibrogenesis	Dr. Çığdem Ataizi Çelikel
15:00-15:50	16:00-16:50	Liver injury, regeneration and fibrogenesis	Dr. Çığdem Ataizi Çelikel
Friday	20 November		
08:00-8:50	09:00-09:50	Metabolism of carbohydrates	Dr. Goncagül Haklar
09:00-09:50	10:00-10:50	Metabolism of carbohydrates	Dr. Goncagül Haklar
10:00-10:50	11:00-11:50	Morphologic patterns of liver injury; viral hepatitis and autoimmune hepatitis	Dr. Çığdem Ataizi Çelikel
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Gastrointestinal system infections due to Escherichia coli	Dr. Ayşegül Karahasan
14:00-14:50	15:00-15:50	Infections due to vibrio cholerae and campylobacter species	Dr. Ayşegül Karahasan
15:00-15:50	16:00-16:50	Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication	Dr. Necmettin Ömer Özdoğan Dr. Berfu Çerçi Öngün*
16:00-16:50	17:00-17:50	STUDY TIME	
Saturday	21 November		
11:00-15:00	12:00-16:00	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
5th Week (23 – 27 November, 2020)			
Monday	23 November		
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:40-14:30	14:40-15:30	STUDY TIME	
14:40-15:30	15:40-16:30	STUDY TIME	

15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30	Histology LAB: Upper digestive tract	Dr. Şule Çetinel Dr. Masoud Afshani*
Tuesday	24 November		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Metabolism of nucleotides	Dr. Ergül Mutlu Altundağ*
12:00-12:50	13:00-13:50	Heat and temperature, heat transfer in the body	Dr. Pınar Mega Tiber
13:00-13:50	14:00-14:50	Functions of the large intestine	Dr. Hızır Kurtel
14:00-14:50	15:00-15:50	Functions of the large intestine	Dr. Hızır Kurtel
15:00-15:50	16:00-16:50	STUDY TIME	
16:00-16:50	17:00-17:50	STUDY TIME	
Wednesday	25 November		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Approach to upper gastrointestinal disorders	Dr. Yeşim Özen Alahdab
10:00-10:50	11:00-11:50	Approach to upper gastrointestinal disorders	Dr. Yeşim Özen Alahdab
12:00-12:50	13:00-13:50	Pathology of cholestatic disorders	Dr. Çiğdem Ataizi Çelikel
13:00-13:50	14:00-14:50	Developmental Abnormalities and liver diseases in childhood	Dr. Çiğdem Ataizi Çelikel
14:00-14:50	15:00-15:50	Digestion of nitrogenous compounds, carbohydrates and fat	Dr. Önder Şirikçi
15:00-15:50	16:00-16:50	Digestion of nitrogenous compounds, carbohydrates and fat	Dr. Önder Şirikçi
Thursday	26 November		
08:00-8:50	09:00-09:50	Gastric, intestinal and pancreatic function tests	Dr. Saime Batırel
09:00-09:50	10:00-10:50	Gastric, intestinal and pancreatic function tests	Dr. Saime Batırel
10:00-10:50	11:00-11:50	Infectious enterocolitis	Dr. Pelin Bağcı

12:00-12:50	13:00-13:50	Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract	Dr. Pelin Bağcı
13:00-13:50	14:00-14:50	Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract	Dr. Pelin Bağcı
14:00-14:50	15:00-15:50	Detoxification mechanisms	Dr. Betül Karademir
15:00-15:50	16:00-16:50	Histology LAB: Lower digestive tract	Dr. Feriha Ercan Dr. Masoud Afshani*
Friday	27 November		
08:00-8:50	09:00-09:50	Metabolism of inorganic compounds	Dr. Betül Karademir
09:00-09:50	10:00-10:50	Transport of digested compounds	Dr. Önder Şirikçi
10:00-10:50	11:00-11:50	Transport of digested compounds	Dr. Önder Şirikçi
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Acute abdominal pain	Dr. Ömer Günal
14:00-14:50	15:00-15:50	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi
15:00-15:50	16:00-16:50	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi
16:00-16:50	17:00-17:50	Histology LAB: Liver, pancreas and salivary glands	Dr. Serap Şırvancı Dr. Masoud Afshani*
Saturday	28 November		
11:00-15:00	12:00-16:00	Turkish For Medical Students-IV (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
6th Week (30 November – 04 December, 2020)			
Monday	30 November		
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:40-14:30	14:40-15:30	STUDY TIME	

14:40-15:30	15:40-16:30	STUDY TIME	
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology) STUDY TIME	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30		
Tuesday	01 December		
08:00-8:50	09:00-09:50	Porphyrins and bile pigments	Dr. Önder Şirikçi
09:00-09:50	10:00-10:50	Porphyrins and bile pigments	Dr. Önder Şirikçi
10:00-10:50	11:00-11:50	Drug and toxin induced liver disease	Dr. Emine Bozkurtlar
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Inherited metabolic disorders of the liver	Dr. Çiğdem Ataizi Çelikel
14:00-14:50	15:00-15:50	Anatomy LAB: Peritonum and Omenta	Dr. Ural Verimli Dr. Berfu Çerçi Öngün*
15:00-15:50	16:00-16:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
Wednesday	02 December		
08:00-8:50	09:00-09:50	Metabolism of amino acids	Dr. Önder Şirikçi
09:00-09:50	10:00-10:50	Mass lesions of the liver	Dr. Çiğdem Ataizi Çelikel
10:00-10:50	11:00-11:50	Mass lesions of the liver	Dr. Çiğdem Ataizi Çelikel
12:00-12:50	13:00-13:50	Other viral and infectious diseases of the liver	Dr. Emine Bozkurtlar
13:00-13:50	14:00-14:50	Fatty Liver Disease: Alcoholic and Non Alcoholic	Dr. Emine Bozkurtlar
14:00-14:50	15:00-15:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
15:00-15:50	16:00-16:50	Anatomy LAB: Esophagus, stomach, duodenum and pancreas	Dr. Özlem Kirazlı Dr. Berfu Çerçi Öngün*
16:00-16:50	17:00-17:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
Thursday	03 December		
08:00-8:50	09:00-09:50	Liver failure; epidemiology and etiology	Dr. Osman Cavit Özdoğan

09:00-09:50	10:00-10:50	Metabolic diseases of liver	Dr. Osman Cavit Özdoğan
10:00-10:50	11:00-11:50	Gallstone disease, diseases of the biliary tract	Dr. Osman Cavit Özdoğan
12:00-12:50	13:00-13:50	PBL-2	Dr. Amber Eker* Dr. Bülent Sezgin*
13:00-13:50	14:00-14:50	PBL-2	Dr. Nevin Yılmaz* Dr. Halil Eren Sakallı*
14:00-14:50	15:00-15:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
15:00-15:50	16:00-16:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
Friday	04 December		
08:00-8:50	09:00-09:50	Malabsorption syndromes, vascular disorders and diverticular disease	Dr. Çiğdem Ataizi Çelikel
09:00-09:50	10:00-10:50	Inflammatory bowel disease	Dr. Çiğdem Ataizi Çelikel
10:00-10:50	11:00-11:50	Epidemiology of food and waterborne disease	Dr. Ahmet Topuzoğlu*
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Tumors of the esophagus stomach and intestine	Dr. Yeşim Özen Alahdab
14:00-14:50	15:00-15:50	Abdominal pain	Dr. Yeşim Özen Alahdab
15:00-15:50	16:00-16:50	Food additives	Dr. Nimet Emel Lülecı
16:00-16:50	17:00-17:50	Anatomy LAB: Vessels of the abdomen	Dr. Ümit Süleyman Şehirli Dr. Berfu Çerçi Öngün*
7th Week (07 – 11 December, 2020)			
Monday	07 December		
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
13:40-14:30	14:40-15:30	PBL-3	Dr. Amber Eker*

14:40-15:30	15:40-16:30	PBL-3	Dr. Bülent Sezgin* Dr. Nevin Yılmaz* Dr. Halil Eren Sakallı*
15:40-16:30	16:40-17:30	ICS-3 Research: Critics with groups	Dr. İlke Akçay*
16:40-17:30	17:40-18:30	ICS-3 Research: Critics with groups	Dr. İlke Akçay*
Tuesday	08 December		
08:00-8:50	09:00-09:50	Alcoholic and non-alcoholic liver disease	Dr. Yusuf Yılmaz
09:00-09:50	10:00-10:50	Malabsorption, maldigestion	Dr. Yusuf Yılmaz
10:00-10:50	11:00-11:50	Infections due to Salmonella, Shigella and Yersinia	Dr. Nurver Ülger
12:00-12:50	13:00-13:50	Viral hepatitis	Dr. Osman Cavit Özdoğan
13:00-13:50	14:00-14:50	Viral hepatitis	Dr. Osman Cavit Özdoğan
14:00-14:50	15:00-15:50	Liver function tests	Dr. Goncagül Haklar
15:00-15:50	16:00-16:50	Liver function tests	Dr. Goncagül Haklar
16:00-16:50	17:00-17:50	Anatomy LAB: Small and large intestine, rectum and anal canal	Dr. Özlem Kirazlı Dr. Berfu Çerçi Öngün*
17:00-17:50	18:00-18:50	STUDY TIME	
Wednesday	09 December		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Regulation of temperature in the body, temperature, transducers and thermography	Dr. Cevdet Nacar
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	Approach to diseases of pancreas	Dr. Yusuf Yılmaz
13:00-13:50	14:00-14:50	Approach to diseases of pancreas	Dr. Yusuf Yılmaz
14:00-14:50	15:00-15:50	PBL-4	Dr. Amber Eker* Dr. Bülent Sezgin*
15:00-15:50	16:00-16:50	PBL-4	Dr. Nevin Yılmaz* Dr. Halil Eren Sakallı*
16:00-16:50	17:00-17:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
Thursday	10 December		
08:00-8:50	09:00-09:50	Inherited metabolic disorders of the liver	Dr. Çiğdem Ataizi Çelikel

09:00-09:50	10:00-10:50	Tumors of the small, large intestine and appendix	Dr. Çiğdem Ataizi Çelikel
10:00-10:50	11:00-11:50	Food poisoning	Dr. Nurver Ülger
12:00-12:50	13:00-13:50	Infections due to intestinal protozoa	Dr. Nurver Ülger
13:00-13:50	14:00-14:50	Epidemiology of zoonotic disease	Dr. Ahmet Topuzoğlu*
14:00-14:50	15:00-15:50	Biochemistry LAB: Transamination I	Dr. Ergül Mutlu Altundağ*
15:00-15:50	16:00-16:50	STUDY TIME	
Friday	11 December		
08:00-8:50	09:00-09:50	Heat and Cold	Dr. Cevdet Nacar
09:00-09:50	10:00-10:50	Cirrhosis; diagnosis, staging and portal hypertension	Dr. Osman Cavit Özdoğan
10:00-10:50	11:00-11:50	Cirrhosis; complications, treatment and liver transplantation	Dr. Osman Cavit Özdoğan
12:00-12:50	13:00-13:50		
13:00-13:50	14:00-14:50	Approach to gastrointestinal bleeding	Dr. Feyza Gündüz
14:00-14:50	15:00-15:50	Jaundice	Dr. Feyza Gündüz
15:00-15:50	16:00-16:50	Anatomy LAB: Anterior abdominal wall, inguinal canal	Dr. Ural Verimli Dr. Berfu Çerçi Öngün*
16:00-16:50	17:00-17:50	Anatomy LAB: Liver, biliary and portal system	Dr. Ümit Süleyman Şehirli Dr. Berfu Çerçi Öngün*
8th Week (14 – 18 December, 2020)			
Monday	14 December		
08:40-09:30	09:40-10:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
09:40-10:30	10:40-11:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
10:40-11:30	11:40-12:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*
11:40-12:30	12:40-13:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç*

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13:40-14:30	14:40-15:30	Pharmacotherapy in hepatic disorders and the influence of liver function on drug disposition	Dr. Halil Eren Sakallı*
14:40-15:30	15:40-16:30	STUDY TIME	
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology) STUDY TIME	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30		
Tuesday	15 December		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Autoimmune diseases of the liver	Dr. Yeşim Özen Alahdab
10:00-10:50	11:00-11:50	Hepatobiliary scintigraphy	Dr. Nahide Gökçora*
12:00-12:50	13:00-13:50	Pharmacotherapy of gastrointestinal motility disorders	Dr. Ahmet Akıcı
13:00-13:50	14:00-14:50	Pharmacotherapy of gastrointestinal motility disorders	Dr. Ahmet Akıcı
14:00-14:50	15:00-15:50	Pathology LAB: Upper GI tract pathology	Dr. Emine Bozkurtlar
15:00-15:50	16:00-16:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
Wednesday	16 December		
08:00-8:50	09:00-09:50	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Ufuk Hasdemir
09:00-09:50	10:00-10:50	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Ufuk Hasdemir
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	Helminth infections and echinococcosis	Dr. Ayşegül Karahasan
13:00-13:50	14:00-14:50	Microbiological approach to the patient with diarrhea	Dr. Ayşegül Karahasan
14:00-14:50	15:00-15:50	Development of the digestive system	Dr. Şule Çetinel
15:00-15:50	16:00-16:50	Development of the digestive system	Dr. Şule Çetinel
Thursday	17 December		

08:00-8:50	09:00-09:50	Viral gastroenteritis	Dr. Ufuk Hasdemir
09:00-09:50	10:00-10:50	Mushroom and insecticide poisoning	Dr. Atila Karaalp
10:00-10:50	11:00-11:50	Pathology LAB: Lower GI tract pathology	Dr. Pelin Bağcı
12:00-12:50	13:00-13:50	Inflammatory bowel disease	Dr. Özlen Atuğ
13:00-13:50	14:00-14:50	Inflammatory bowel disease	Dr. Özlen Atuğ
14:00-14:50	15:00-15:50	Microbiology LAB: Laboratory Diagnosis of GIS Infections	Dr. Ufuk Hasdemir Dr.Mümtaz Güran*
15:00-15:50	16:00-16:50	Pathology LAB: Pathology of liver and gallbladder	Dr. Emine Bozkurtlar
Friday	18 December		
08:00-8:50	09:00-09:50	Malabsorption and maldigestion in children	Dr. Deniz Ertem
09:00-09:50	10:00-10:50	Nutritional assessment: Degree of malnutrition	Dr. Deniz Ertem
10:00-10:50	11:00-11:50	Gastroenteritis/dehydration and oral rehydration	Dr. Deniz Ertem
12:00-12:50	13:00-13:50	Biochemistry LAB: Transamination II	Dr. Ergül Mutlu Altundağ*
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	Acute abdominal pain in children	Dr. Kıvılcım Karadeniz Cerit
16:00-16:50	17:00-17:50	Turkish For Medical Students-IV (Interactive Session for Foreign Students	Inst. Emine Özerinç*
9th Week (21 – 25 December, 2020)			
Monday	21 December		
08:40-09:30	09:40-10:30	STUDY TIME	
09:40-10:30	10:40-11:30	STUDY TIME	
10:40-11:30	11:40-12:30	STUDY TIME	
11:40-12:30	12:40-13:30	STUDY TIME	
13:40-14:30	14:40-15:30	STUDY TIME	
14:40-15:30	15:40-16:30	STUDY TIME	
15:40-16:30	16:40-17:30	STUDY TIME	
16:40-17:30	17:40-18:30	STUDY TIME	

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Tuesday	22 December		
08:00-8:50	09:00-09:50	Y3C2 PRACTICAL EXAM	
09:00-09:50	10:00-10:50		
10:00-10:50	11:00-11:50		
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	STUDY TIME	
16:00-16:50	17:00-17:50	STUDY TIME	
Wednesday	23 December		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50		
Thursday	24 December		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
Friday	25 December		
08:00-8:50	09:00-09:50	STUDY TIME	

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09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
10th Week (28 December, 2020- 01 January, 2021)			
Monday	28 December		
08:00-8:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-13:15	11:00-13:15	Y3C2 THEORETICAL EXAM (online)	
14:00-15:00	15:00-16:00	Exam Feedback Session	Dr. Amber Eker*
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology) STUDY TIME	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30		