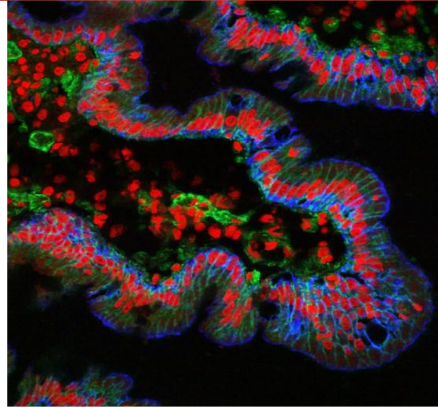




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



**GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS
YEAR 3 COURSE 2
October 21th, 2019 – December 20th, 2019**

Year 3 Coordinators

Prof., Arzu Akşit İLKİ & Assoc. Prof., Pınar Mega TİBER & Assist. Prof., İlke AKÇAY

Module Coordinator

Prof., Özlem SARIKAYA
Inst. Dr. Duygu GENÇALP

Introduction to Clinician Skills (ICS) Coordinators

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

Coordinator of Clinical Skill Lab.

Prof., Pemra ÜNALAN
Assist. Prof., Bülent SEZGİN

Coordinator of ICS Res. Lab.

Prof., Pemra ÜNALAN
Inst. Dr. Özge EKER

Coordinator of Multidisciplinary Students' Lab.

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

Coordinator of Assessment Unit

Assist. Prof., Cevdet NACAR
Assist. Prof., H. Eren SAKALLI

Vice-Chief Coordinators

Assessment

Assist. Prof., Cevdet NACAR
Assist. Prof., H. Eren SAKALLI

Student Affairs

Assist. Prof., Can ERZİK
Inst. Yönetir 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)

Assoc. Prof., Emre HAMURTEKİN

Dean (MU)

Prof., Hakan GÜNDÜZ

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 1. Basic clinical skills
 2. The organization and management of the patient and the patient care
 3. The organization and the management of health care delivery services / system
 4. Health promotion and disease prevention
- B. **Medical Knowledge and Evidence-Based Medicine**
 5. Appropriate information retrieval and management skills
 6. The integration of knowledge, critical thinking and evidence-based decision making
 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 8. Communication skills and effective communication with patients / patient relatives
 9. Interpersonal relationships and team working
 10. Ethical and professional values, responsibilities
 11. Individual, social and cultural values and responsibilities
 12. Reflective practice and continuing development
 13. Healthcare delivery systems, management and community oriented health care
 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

1. Understanding the normal structures and functions of human body
2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
4. Gaining basic clinical skills by applications in simulated settings.
5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional, and ethical values
7. 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 • Child Health and Disease • Family Medicine • General Surgery • Histology and Embryology • Internal Medicine-Gastroenterology	• Medical Genetics • Medical Microbiology • Pathology • Pediatric Surgery • Pharmacology • Physiology • Public Health • Radiology
LECTURERS / TUTORS	
Adnan Giral, Prof., Internal Medicine Ahmet İlter Güney, Assoc. Prof., Medical Genetics Ahmet Topuzoğlu, Prof., Public Health Alper Yıldırım, Assist. Prof., Physiology Amber Eker Bakkaloğlu, Assoc. Prof., Neurology Arzu Uzuner, Prof., Family Medicine Atıla Karaalp, Prof., Pharmacology Aymelek Yalın, Prof., Anatomy Ayşegül Karahasan, Prof., Medical Microbiology Berfu Çerçi Öngün, Inst, Anatomy Berrak Yeğen, Prof., Physiology Cemal Gürkan, Inst., Forensic Sciences	Hızır Kurtel, Prof., Physiology Kıvılcım Karadeniz Cerit, Assist. Prof., Pediatric Surgery Masoud Afshani, Assist. Prof., Histology & Embryology Mehmet Akman, Prof., Family Medicine Mümtaz Güran, Assist. Prof., Medical Microbiology Nahide Gökçora, Prof., Nuclear Medicine Necmettin Ömer Özdoğan, Assoc. Prof., Anatomy Neşe İmeryüz, Prof., Internal Medicine Nevin Yılmaz, Prof. , Internal Medicine/Gastroenterology Nilüfer Güzoğlu, Assoc. Prof., Neonatology Nimet Emel Lülecı, Prof., Public Health Nurtane Karagil, Instructor, Arts and Crafts

Cevdet Nacar, Assist. Prof., Biophysics Çiğdem Ataizi Çelikel, Prof., Pathology Deniz Ertem, Prof., Child Health and Diseases Derya Türeli, Assoc. Prof., Radiology Didem Rıfkı, Inst., ICS Clinical Emine Bozkurtlar, Assist. Prof., Medical Pathology Emine Özerinç, Inst., Turkish Language Ergül Mutlu Altundağ, Assist. Prof., Medical Biochemistry Feriha Ercan, Prof., Histology and Embryology Goncagül Haklar, Prof., Medical Biochemistry Güner Söyledir, Prof., Medical Microbiology Hande Tuğcan, Inst., Indian Dance Nurver Ülger, Prof., Medical Microbiology	Osman Cavit Özdoğan, Prof., Internal Medicine Ömer Günel, Prof., General Surgery Önder Şirikçi, Prof., Medical Biochemistry Özgür Kasımay Çakır, Assoc. Prof., Physiology Pelin Bağcı, Assoc. Prof., Pathology Pınar Mega Tiber, Assoc. Prof., Biophysics Saime Batırel, Assoc. Prof., Medical Biochemistry Şirin Funda Eren, Prof., Pathology Ufuk Hasdemir, Prof., Medical Microbiology Ural Verimli, Assist. Prof., Anatomy Ümit S. Şehirli, Prof., Anatomy Yasemin Kurtoğlu, Inst., Aerial Fitness Yeşim Özen Alahdab, Assoc. Prof., Internal Medicine Yusuf Yılmaz, Prof., Internal Medicine Zeliha Leyla Cinel, Prof., Pathology
READING / STUDYING MATERIALS • Biochemistry, Stryer, 4th Ed., Freeman • Biochemistry, Zubay, 3rd Ed., WCB • Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange Interscience, New Jersey 2003 • Introduction to Biostatistics For Health Sciences, Micheal R. Chernick, Robert H. Friss, Willey • Lehninger Principles of Biochemistry, Nelson, Cox, 3rd edition, Worth • Medical Statistics at a Glance, Aviva Petrie, Caroline Sabin, Blackwell Science, London, 2003 • Physics, Giancoli, 4th Ed., Prentice Hall • Practical Statistics For Medical Research, Douglas Altman, Chapman & Hall, London 1995 • Principles of Physiology, Bern and Levy, 4th Ed. • Temel Biyoistatistik, Mustafa Şenocak, Çağlayan Kitapevi, İstanbul 1990 • Textbook of Physiology, Guyton and Hall, 10th Ed. • The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press • Molecular Biology of the Cell, Alberts et al. 3rd Ed., Garland • Basic Pathology (Stanley L. Robbins, Arcia Angel, Vinay Kumar) • Color Textbook of Histology (Gartner, Hiatt) • Developing Human (Moore) • Histology and Cell Biology: An Introduction to Pathology (Abraham L. Kierszenbaum) • Infectious Diseases (Bannistar, Begg, Gillespie) • İnfeksiyon Hastalıkları ve Mikrobiyolojisi Cilt 1, 2 (Topçu, Söyletir, Doğanay) • Tietr Textbook of Clinical Chemistry (Burtis, Ashwood) • CURRENT Diagnosis & Treatment Gastroenterology, Hepatology, & Endoscopy, Second Edition 2012 (LANGE CURRENT Series) Norton Greenberger, Richard Blumberg, Robert Burak	

SUMMARY OF THE COURSE 3.2			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	18	8	26
Biophysics	3		3
Child Health and Disease	3		3
Family Medicine	2		2
General Surgery	1		1
Histology and Embryology	8	6	14
Internal Medicine/Gastroenterology	23		23
Medical Biochemistry	22	4	26
Medical Genetics	1		1
Medical Microbiology	10	2	12
Nuclear Medicine	1		1
Pathology	20	3	23
Pediatric Surgery	1		1
Pharmacology	4		4
Physiology	18		18
Public Health	3		3
Radiology	2		2
Subtotal	140	23	163
PBL Module	0	8	8
ICS-3: Basic Medical Practices, Clinical Skills Lab.	0	8	8
ICS-3 SRA: Student Research Activity	0	0	0
Turkish for Medical Students – IV	32		32
Turkish for Medical Students – IV (Interactive Session)	12	0	12
Elective Course	14		14
TOTAL	194	51	245

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
Week 1 (October 21-October 25, 2019)		
Monday	21 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	22 October	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to the course	Dr. İlke Akçay
10:40-11:30	Oral cavity, intraoral structures	Dr. Necmettin Ömer Özdoğmuş
11:40-12:30	Oral cavity, intraoral structures	Dr. Necmettin Ömer Özdoğmuş
13:40-14:30	Salivary glands	Dr. Necmettin Ömer Özdoğmuş
14:40-15:30	Temporomandibular joint, muscles of mastication	Dr. Necmettin Ömer Özdoğmuş
15:40-16:30	Temporomandibular joint, muscles of mastication	Dr. Necmettin Ömer Özdoğmuş
16:40-17:30	STUDY TIME	
Wednesday	23 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	24 October	

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08:40-09:30	Metabolism of carbohydrates	Dr. Goncagül Haklar
09:40-10:30	Metabolism of carbohydrates	Dr. Goncagül Haklar
10:40-11:30	Metabolism of carbohydrates	Dr. Goncagül Haklar
11:40-12:30	Metabolism of carbohydrates	Dr. Goncagül Haklar
13:40-14:30	Heat and temperature, heat transfer in the body	Dr. Pınar Mega Tiber
14:40-15:30	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın
15:40-16:30	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın
16:40-17:30	STUDY TIME	
Friday	25 October	
08:40-09:30	Anterior abdominal wall	Dr. Ümit Süleyman Şehirli
09:40-10:30	Anterior abdominal wall	Dr. Ümit Süleyman Şehirli
10:40-11:30	Vessels of the abdomen	Dr. Ümit Süleyman Şehirli
11:40-12:30	Vessels of the abdomen	Dr. Ümit Süleyman Şehirli
13:40-14:30	Anatomy LAB: Oral cavity, intraoral structures-Group A	Dr. Ümit Süleyman Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Oral cavity, intraoral structures-Group B	
15:40-16:30	Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group A	
16:40-17:30	Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group B	
Week 2 (October 28-November 01, 2019)		
Monday	28 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	29 October	
08:40-09:30	THE REPUBLIC DAY OF TURKEY	
09:40-10:30		
10:40-11:30		

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11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	30 October	
08:40-09:30	Peritonum and omenta	Dr. Aymelek Yalın
09:40-10:30	Peritonum and omenta	Dr. Aymelek Yalın
10:40-11:30	Anatomy LAB: Esophagus, stomach, duodenum and pancreas-Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Esophagus, stomach, duodenum and pancreas-Group B	
13:40-14:30	Jejunum, ileum and colon	Dr. Aymelek Yalın
14:40-15:30	Jejunum, ileum and colon	Dr. Aymelek Yalın
15:40-16:30	Regulation of temperature in the body, temperature transducers and thermography	Dr. Cevdet Nacar
16:40-17:30	Application of heat and cold in medicine and human metabolism: energywork and power of body	Dr. Cevdet Nacar
Thursday	31 October	
08:40-09:30	Histology of oral cavity, lip, tooth, tongue and esophagus	Dr. Feriha Ercan
09:40-10:30	Histology of oral cavity, lip, tooth, tongue and esophagus	Dr. Feriha Ercan
10:40-11:30	Histology LAB: Upper digestive tract	Dr. Feriha Ercan Dr. Masoud Afshani
11:40-12:30	Histology LAB: Upper digestive tract	
13:40-14:30	Rectum and anal canal	Dr. Aymelek Yalın
14:40-15:30	Histology of stomach	Dr. Feriha Ercan
15:40-16:30	Histology of small large intestine	Dr. Feriha Ercan
16:40-17:30	Histology of pancreas	Dr. Feriha Ercan
Friday	01 November	
08:40-09:30	Histology LAB: Lower digestive tract	Dr. Feriha Ercan Dr. Masoud Afshani
09:40-10:30	Histology LAB: Lower digestive tract	
10:40-11:30	Histology of the liver and portal system	Dr. Feriha Ercan
11:40-12:30	Pathology of oral cavity and salivary glands	Dr. Şirin Funda Eren
13:40-14:30	Histology LAB: Liver, pancreas and salivary glands	Dr. Feriha Erca Dr. Masoud Afshani
14:40-15:30	Histology LAB: Liver, pancreas and salivary glands	
15:40-16:30	Development of digestive system	Dr. Feriha Ercan
16:40-17:30	Development of digestive system	Dr. Feriha Ercan
Week 3 (November 04-08, 2019)		
Monday	04 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	

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10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	05 November	
08:40-09:30	Turkish For Medical Students-IV (Foreign Students)- Interactive Session	Inst. Emine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Introduction to gastrointestinal system	Dr. Alper Yıldırım
14:40-15:30	Oral digestion and deglutition	Dr. Hızır Kurtel
15:40-16:30	Oral digestion and deglutition	Dr. Hızır Kurtel
16:40-17:30	Digestion in the small and large intestine	Dr. Hızır Kurtel
Wednesday	06 November	
08:40-09:30	Physiology of gastrointestinal motility	Dr. Alper Yıldırım
09:40-10:30	Energy metabolism, energy turnover and balance	Dr. Alper Yıldırım
10:40-11:30	Exocrine pancreas	Dr. Hızır Kurtel
11:40-12:30	Exocrine pancreas	Dr. Hızır Kurtel
13:40-14:30	Role of bile in digestion	Dr. Hızır Kurtel
14:40-15:30	Role of bile in digestion	Dr. Hızır Kurtel
15:40-16:30	Functions of large intestine	Dr. Hızır Kurtel
16:40-17:30	Functions of large intestine	Dr. Hızır Kurtel
Thursday	07 November	
08:40-09:30	Digestion of nitrogenous compounds, carbohydrates and fat	Dr. Önder Şirikçi
09:40-10:30	Digestion of nitrogenous compounds, carbohydrates and fat	Dr. Önder Şirikçi
10:40-11:30	Transport of digested compounds	Dr. Önder Şirikçi
11:40-12:30	Transport of digested compounds	Dr. Önder Şirikçi
13:40-14:30	Metabolism of aminoacids	Dr. Önder Şirikçi
14:40-15:30	Gastric digestion	Dr. Berrak Yegen

15:40-16:30	Gastric digestion	Dr. Berrak Yegen
16:40-17:30	STUDY TIME	
Friday	08 November	
08:40-09:30	Gastrointestinal system infections due to Escherichia coli	Dr. Ayşegül Karahasan
09:40-10:30	Infections due to vibrio cholerae and campylobacter species	Dr. Ayşegül Karahasan
10:40-11:30	Helminth infections and echinococcosis	Dr. Ayşegül Karahasan
11:40-12:30	Microbiological approach to the patient with diarrhea	Dr. Ayşegül Karahasan
13:40-14:30	ICS-3 Research: Proposal Presentations	Dr. Özge Eker Dr. İlke Akçay Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı
14:40-15:30	ICS-3 Research: Proposal Presentations	
15:40-16:30	ICS-3 Research: Proposal Presentations	
16:40-17:30	ICS-3 Research: Proposal Presentations	
Week 4 (November 11-15, 2019)		
Monday	11 November	
08:40-09:30	Anatomy LAB: Peritonum and Omenta-Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Peritonum and Omenta-Group B	
10:40-11:30	Anatomy LAB: Small and large intestine, rectum and anal canal-Group A	
11:40-12:30	Anatomy LAB: Small and large intestine, rectum and anal canal-Group B	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	12 November	
08:40-09:30	STUDY TIME	
09:40-10:30	Genetics of gastrointestinal disorders	Dr. Ahmet İlder Güney
10:40-11:30	Pathology of gastritis and peptic ulcer disease	Dr. Zeliha Leyla Cinel
11:40-12:30	Neoplastic diseases of stomach	Dr. Zeliha Leyla Cinel

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13:40-14:30	PBL Module-1	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
14:40-15:30	PBL Module-1	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	13 November	
08:40-09:30	Turkish For Medical Students-IV (Foreign Students)- Interactive Session	Inst. Emine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	14 November	
08:40-09:30	Biochemical aspects of nutrition	Dr. Saime Batirel
09:40-10:30	Biochemical aspects of nutrition	Dr. Saime Batirel
10:40-11:30	Gastric, intestinal and pancreatic function tests	Dr. Saime Batirel
11:40-12:30	Gastric, intestinal and pancreatic function tests	Dr. Saime Batirel
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	15 November	
08:40-09:30	TRNC REPUBLIC DAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Week 5 (November 18-22, 2019)		
Monday	18 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	

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13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	19 November	
08:40-09:30	STUDY TIME	
09:40-10:30	Metabolism of nucleotides	Dr. Ergül Mutlu Altundağ
10:40-11:30	Malabsorption, maldigestion	Dr. Neşe İmeryüz
11:40-12:30	Tumors of the esophagus stomach and intestine	Dr. Neşe İmeryüz
13:40-14:30	STUDY TIME	
14:40-15:30	Dyspepsia in primary care	Dr. Arzu Uzuner
15:40-16:30	Dyspepsia in primary care	Dr. Arzu Uzuner
16:40-17:30	STUDY TIME	
Wednesday	20 November	
08:40-09:30	ICS-3: CSL: Abdomen session	Dr. Nevin Yılmaz Dr. Bulent Sezgin Dr. Didem Rıfkı
09:40-10:30	ICS-3: CSL: Abdomen session	
10:40-11:30	ICS-3: CSL: Abdomen session	
11:40-12:30	ICS-3: CSL: Abdomen session	
13:40-14:30	ICS-3: CSL: Abdomen session	Dr. Nevin Yılmaz Dr. Bulent Sezgin Dr. Didem Rıfkı
14:40-15:30	ICS-3: CSL: Abdomen session	
15:40-16:30	ICS-3: CSL: Abdomen session	
16:40-17:30	ICS-3: CSL: Abdomen session	
Thursday	21 November	
08:40-09:30	Liver, biliary and portal system	Dr. Ural Verimli
09:40-10:30	Liver, biliary and portal system	Dr. Ural Verimli
10:40-11:30	Anatomy LAB: Liver, biliary and portal system-Group A	Dr. Ural Verimli
11:40-12:30	Anatomy LAB: Liver, biliary and portal system-Group B	Dr. Berfu Çerçi Öngün
13:40-14:30	Symptoms and signs of the gastrointestinal diseases	Dr. Adnan Giral
14:40-15:30	Symptoms and signs of the gastrointestinal diseases	Dr. Adnan Giral
15:40-16:30	Gastroesophageal reflux disease	Dr. Adnan Giral
16:40-17:30	STUDY TIME	

Friday	22 November	
08:40-09:30	Peptic ulcer disease	Dr. Adnan Giral
09:40-10:30	Motility disorders of esophagus	Dr. Adnan Giral
10:40-11:30	Approach to diseases of the pancreas	Dr. Adnan Giral
11:40-12:30	Approach to diseases of the pancreas	Dr. Adnan Giral
13:40-14:30	Liver function tests	Dr. Goncagül Haklar
14:40-15:30	Liver function tests	Dr. Goncagül Haklar
15:40-16:30	PBL Module-2	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
16:40-17:30	PBL Module-2	
Week 6 (November 25-November 29, 2019)		
Monday	25 November	
08:40-09:30	Anatomy LAB: Anterior abdominal wall, inguinal canal-Group A	Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Anterior abdominal wall, inguinal canal-Group B	Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Vessels of the abdomen-Group A	Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Vessels of the abdomen-Group B	Dr. Berfu Çerçi Öngün
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
Tuesday	26 November	
08:40-09:30	Pathology LAB: Upper GI tract pathology-Group A	Dr. Emine Bozkurtlar
09:40-10:30	Pathology LAB: Upper GI tract pathology-Group B	Dr. Emine Bozkurtlar
10:40-11:30	Infections due to Salmonella, Shigella and Yersinia	Dr. Nurver Ülger
11:40-12:30	Food poisoning	Dr. Nurver Ülger
13:40-14:30	Other viral infectious diseases of the liver	Dr. Emine Bozkurtlar
14:40-15:30	Fatty Liver Disease: Alcoholic and Non Alcoholic	Dr. Emine Bozkurtlar
15:40-16:30	Drug and toxin induced liver disease	Dr. Emine Bozkurtlar
16:40-17:30	STUDY TIME	
Wednesday	27 November	
08:40-09:30	Infections due to intestinal protozoa	Dr. Nurver Ülger
09:40-10:30	Viral gastroenteritis	Dr. Ufuk Hasdemir
10:40-11:30	Microbiology LAB: Laboratory Diagnosis of GIS Infections	Dr. Ufuk Hasdemir, Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Laboratory Diagnosis of GIS Infections	Dr. Ufuk Hasdemir, Dr. Mümtaz Güran
13:40-14:30	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi

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Summary table updated April 21, 2025

14:40-15:30	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi
15:40-16:30	Porphyrins and bile pigments	Dr. Önder Şirikçi
16:40-17:30	Porphyrins and bile pigments	Dr. Önder Şirikçi
Thursday	28 November	
08:40-09:30	Y1C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)- Interactive Session	Inst. Emine Özerinç
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	29 November	
08:40-09:30	STUDY TIME	
09:40-10:30	Gastroenteritis/Dehydration and oral rehydration	Dr. Deniz Ertem
10:40-11:30	Malabsorption and maldigestion in children	Dr. Deniz Ertem
11:40-12:30	Nutritional assessment: Degree of malnutrition	Dr. Deniz Ertem
13:40-14:30	Epidemiology of zoonotic disease	Dr. Ahmet Topuzoğlu
14:40-15:30	Epidemiology of food and waterborne disease	Dr. Ahmet Topuzoğlu
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Week 7 (December 02-06, 2019)		
Monday	02 December	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students)	Dr. Cemal Gürkan
	MDCN181 – Th. and Applied Forensic Sciences	Inst. Nurtane Karagil
	MDCN182 – Art & Craft for Medicine Students	Inst. Hande Tuğcan
	MDCN186 – Modern Indian Dance Course	Inst. Yasemin Kurtoglu
	MDCN187 – Aerial Fitness & High Int. Interval Tr.	
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students)	Dr. Cemal Gürkan
	MDCN181 – Th. and Applied Forensic Sciences	Inst. Nurtane Karagil
	MDCN182 – Art & Craft for Medicine Students	Inst. Hande Tuğcan
	MDCN186 – Modern Indian Dance Course	Inst. Yasemin Kurtoglu
	MDCN187 – Aerial Fitness & High Int. Interval Tr.	

Tuesday	03 December	
08:40-09:30	Liver injury, regeneration and fibrogenesis	Dr. Çiğdem Ataizi Çelikel
09:40-10:30	Liver injury, regeneration and fibrogenesis	Dr. Çiğdem Ataizi Çelikel
10:40-11:30	Morphologic patterns of liver injury; viral hepatitis and autoimmune hepatitis	Dr. Çiğdem Ataizi Çelikel
11:40-12:30	Pathology of cholestatic disorders	Dr. Çiğdem Ataizi Çelikel
12:40-13:30		
13:40-14:30	PBL Module-3	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
14:40-15:30	PBL Module-3	
15:40-16:30	Metabolism of inorganic compounds	Dr. Ergül Mutlu Altundağ
16:40-17:30	Detoxification mechanisms	Dr. Ergül Mutlu Altundağ
Wednesday	04 December	
08:40-09:30	Developmental Abnormalities and liver diseases in childhood	Dr. Çiğdem Ataizi Çelikel
09:40-10:30	Inherited metabolic disorders of the liver	Dr. Çiğdem Ataizi Çelikel
10:40-11:30	Mass lesions of the liver	Dr. Çiğdem Ataizi Çelikel
11:40-12:30	Mass lesions of the liver	Dr. Çiğdem Ataizi Çelikel
13:40-14:30	Pathology LAB: Pathology of liver and gallbladder	Dr. Çiğdem Ataizi Çelikel
14:40-15:30	Pathology LAB: Pathology of liver and gallbladder	Dr. Çiğdem Ataizi Çelikel
15:40-16:30	Malabsorption syndromes, vascular disorders and diverticular disease	Dr. Çiğdem Ataizi Çelikel
16:40-17:30	Alcoholic and non-alcoholic liver disease	Dr. Yusuf Yılmaz
Thursday	05 December	
08:40-09:30	Inflammatory bowel disease	Dr. Çiğdem Ataizi Çelikel
09:40-10:30	Tumors of small, large intestine and appendix	Dr. Çiğdem Ataizi Çelikel
10:40-11:30	Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract	Dr. Pelin Bağcı
11:40-12:30	Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract	Dr. Pelin Bağcı
13:40-14:30	Gastrointestinal absorption	Dr. Özgür Kasımay Çakır
14:40-15:30	Gastrointestinal absorption	Dr. Özgür Kasımay Çakır
15:40-16:30	Physiological functions of vitamins	Dr. Özgür Kasımay Çakır
16:40-17:30	Acute abdominal pain in children	Dr. Kıvılcım Karadeniz Cerit
Friday	06 December	
08:40-09:30	Infectious enterocolitis	Dr. Pelin Bağcı
09:40-10:30	Pathology of esophagus	Dr. Pelin Bağcı
10:40-11:30	Pathology LAB: Lower GI tract pathology-Group A	Dr. Pelin Bağcı
11:40-12:30	Pathology LAB: Lower GI tract pathology-Group B	Dr. Pelin Bağcı
13:40-14:30	STUDY TIME	
14:40-15:30	Acute abdominal pain	Dr. Ömer Günal
15:40-16:30	Food additives	Dr. Nimet Emel Lülecı
16:40-17:30	STUDY TIME	

Week 8 (December 09-13, 2019)		
Monday	09 December	
08:40-09:30	Biochemistry LAB: Transamination	Dr. Ergül Mutlu Altundağ Dr. Duygu Gencalp
09:40-10:30	Biochemistry LAB: Transamination	
10:40-11:30	Biochemistry LAB: Transamination	
11:40-12:30	Biochemistry LAB: Transamination	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
Tuesday	10 December	
08:40-09:30	STUDY TIME	
09:40-10:30	Gallstone disease, diseases of the biliary tract	Dr. Osman Cavit Özdoğan
10:40-11:30	Liver cirrhosis; epidemiology and etiology	Dr. Osman Cavit Özdoğan
11:40-12:30	Metabolic diseases of liver	Dr. Osman Cavit Özdoğan
13:40-14:30	Liver cirrhosis; diagnosis, staging and portal hypertension	Dr. Osman Cavit Özdoğan
14:40-15:30	Liver cirrhosis; complications, treatment and liver transplantation	Dr. Osman Cavit Özdoğan
15:40-16:30	Viral hepatitis	Dr. Osman Cavit Özdoğan
16:40-17:30	Viral hepatitis	Dr. Osman Cavit Özdoğan
Wednesday	11 December	
08:40-09:30	Approach to gastrointestinal bleeding	Dr. Yeşim Özen Alahdab
09:40-10:30	Inflammatory bowel disease	Dr. Yeşim Özen Alahdab
10:40-11:30	Inflammatory bowel disease	Dr. Yeşim Özen Alahdab
11:40-12:30	Abdominal pain	Dr. Yeşim Özen Alahdab
13:40-14:30	Approach to the mass lesions of liver	Dr. Yeşim Özen Alahdab
14:40-15:30	Autoimmune diseases of the liver	Dr. Yeşim Özen Alahdab
15:40-16:30	PBL Module-4	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
16:40-17:30	PBL Module-4	
Thursday	12 December	

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08:40-09:30	Y2C2 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Güner Söyledir
14:40-15:30	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Güner Söyledir
15:40-16:30	Mushroom and insecticide poisoning	Dr. Atila Karaalp
16:40-17:30	Pharmacotherapy in hepatic disorders and the influence of liver function on drug disposition	Dr. Atila Karaalp
Friday	13 December	
08:40-09:30	STUDY TIME	
09:40-10:30	Hepatobiliary Scintigraphy	Dr. Nahide Gökçora
10:40-11:30	Pharmacotherapy of gastrointestinal motility disorders	Dr. Halil Eren Sakallı
11:40-12:30	Pharmacotherapy of gastrointestinal motility disorders	Dr. Halil Eren Sakallı
13:40-14:30	Radiology of the gastrointestinal tract	Dr. Derya Türeli
14:40-15:30	Radiology of the gastrointestinal tract	Dr. Derya Türeli
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Week 9 (December 16-20, 2019)		
Monday	16 December	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	17 December	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	18 December	
08:40-09:30	STUDY TIME	

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09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	19 December	
08:40-09:30	Y3C2 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	20 December	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		