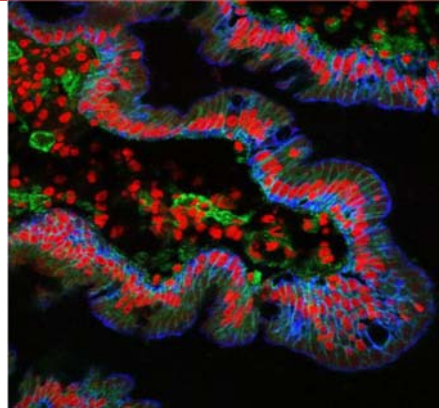




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



**GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS
YEAR 3 COURSE 2
October 30th, 2017 – January 5th, 2017**

Year 3 Coordinators

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

Module Coordinator Assoc. Prof., Özlem SARIKAYA & Assist. Prof., H. Eren SAKALLI	Introduction to Clinician Skills (ICS) Coordinators Assoc. Prof., Pemra ÜNALAN & Assist. Prof., Bülent SEZGIN
Coordinator of Clinical Skill Lab. Assoc. Prof., Pemra ÜNALAN & Inst., Berfu Çerçi ÖNGÜN	Coordinator of ICS Res. Lab. Prof., Sibel SAKARYA & Assist. Prof., Mevhibe HOCAOĞLU
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN	Coordinator of Assessment Unite Asist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN & Assist. Prof., Mevhibe HOCAOĞLU & Assist. Prof., H. Eren SAKALLI
Vice-Chief Coordinators	
Assessment Asist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN	Student Affairs Asist. Prof., Can ERZİK & Assist. Prof., İlke AKÇAY
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 Assoc. Prof., Mehmet Ali GÜLPINAR	
Dean (EMU) Prof., Nahide GÖKÇORA	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
- Family Medicine
- General Surgery
- Histology and Embryology
- Internal Medicine-Gastroenterology
- Medical Genetics

- Microbiology
- Pathology
- Pediatrics
- Pediatric Surgery
- Pharmacology
- Physiology
- Public Health
- Radiology

LECTURERS / TUTORS

Adnan Giral, Prof., Internal Medicine
Ahmet Akıcı, Prof., Pharmacology
Ahmet Topuzoğlu, Assoc. Prof., Public Health
Alper Yıldırım, Assist. Prof., Physiology
Arzu Uzuner, Prof., Family Medicine
Atıla Karaalp, Prof., Pharmacology
Aydın Karakuzu, Prof., Cardiovascular Surgery
Aymelek Yalın, Prof., Anatomy
Ayşegül Karahasan, Prof., Microbiology
Berfu Çerçi Öngün, Instructor, Anatomy
Berrak Yeğen, Prof., Physiology
Betül Karademir, Assoc. Prof., Biochemistry

Güner Söyledir, Prof., Microbiology
Halil Eren Sakallı, Assist. Prof., Pharmacology
Hasan Toper, Assist. Prof., Pathology
Hızır Kurtel, Prof., Physiology
İlter Güney, Assoc. Prof., Medical Genetics
Kıvılcım Karadeniz Cerit, Assist. Prof., Pediatric Surgery
Leyla Cinel, Prof., Pathology
Masoud Afshani, Instructor, Histology and Embryology
Mevhibe Hocaoğlu, Assist. Prof., Public Health
Neşe İmeryüz, Prof., Internal Medicine
Nurtane Karagil, Instructor of Arts and Crafts
Nurver Ülger, Prof., Microbiology

Bülent Sezgin, Assist. Prof., Internal Medicine
Cemal Gürkan, Instructor, Forensic Sciences
Cevdet Nacar, Assist. Prof., Biophysics
Çiğdem Çelikel, Prof., Pathology
Deniz Duman, Prof., Internal Medicine
Deniz Ertem, Prof., Child Health and Disease
Duygu Gençalp, Instructor, Biochemistry
Emel Lüleci, Prof., Public Health,
Emine Bozkurtlar, Assist. Prof., Pathology
Emine Özerinç, Instructor of Turkish Language
Ergül Mutlu Altundağ, Assist. Prof., Biochemistry
Feriha Ercan, Prof., Histology and Embryology
Feyza Güzdüz, Assoc. Prof., Internal Medicine
Goncagül Haklar, Prof., Biochemistry

Osman Cavit Özdoğan, Prof., Internal Medicine
Ömer Günal, Prof., General Surgery
Ömer Özdoğmuş, Assoc. Prof., Anatomy
Önder Şirikçi, Prof., Biochemistry
Özgür Kasımay Çakır, Assoc. Prof., Physiology
Pelin Bağcı, Assoc. Prof., Pathology
Pınar Mega Tiber, Assist. Prof., Biophysics
Rabia Ergelen, Assist. Prof., Radiology
Saime Batirel, Assist. Prof., Biochemistry
Ufuk Hasdemir, Prof., Microbiology
Ümit Şehirli, Prof., Anatomy
Yeşim Özen Alahdab, Assoc. Prof., Internal Medicine
Yusuf Yılmaz, Prof., Internal Medicine

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	24		24
Medical Biochemistry	22	2	24
Medical Genetics	1		1
Medical Microbiology	10	2	12
Pathology	19	4	23
Pediatric Surgery	1		1
Pharmacology	5		5
Physiology	16		16
Public Health	3		3
Radiology	2		2
Subtotal	138	22	160
PBL Module	0	8	8
ICS-3: Basic Medical Practices, Clinical Skills Lab.	0	16	16
ICS-3 SRA: Student Research Activity	0	4	4
Communication in Turkish-III (Foreign Students)	36		36
Elective Course	18		18
TOTAL	192	50	242

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
Week-1 (October 30-November 3, 2017)		
Monday	30 October	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	31 October	
08:40-09:30	ICS-3 SRA: Research Proposal and Ethics Application Refresher Workshop	Dr. Mevhibe Hoccoğlu
09:40-10:30	ICS-3 SRA: Research Proposal and Ethics Application Refresher Workshop	Dr. Mevhibe Hoccoğlu
10:40-11:30	ICS-3 SRA: Research Proposal and Ethics Application Refresher Workshop	Dr. Mevhibe Hoccoğlu
11:40-12:30	ICS-3 SRA: Research Proposal and Ethics Application Refresher Workshop	Dr. Mevhibe Hoccoğlu
13:40-14:30	Introduction to the course and opening lecture	Dr. Mümtaz Güran
14:40-15:30	Regulation of temperature in the body, temperature transducers and thermography	Dr. Cevdet Nacar
15:40-16:30	Application of heat and cold in medicine and human metabolism: energywork and power of body	Dr. Cevdet Nacar
16:40-17:30		
Wednesday	01 November	
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		
Thursday	02 November	
08:40-09:30	Oral cavity, intraoral structures	Dr. Ömer Özdoğmuş
09:40-10:30	Oral cavity, intraoral structures	Dr. Ömer Özdoğmuş

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10:40-11:30	Salivary glands	Dr. Ömer Özdoğmuş
11:40-12:30	Temporomandibular joint, muscles of mastication	Dr. Ömer Özdoğmuş
13:40-14:30	Temporomandibular joint, muscles of mastication	Dr. Ömer Özdoğmuş
14:40-15:30	Introduction to gastrointestinal system	Dr. Alper Yıldırım
15:40-16:30	Physiology of gastrointestinal motility	Dr. Alper Yıldırım
16:40-17:30	Energy metabolism, energy turnover and balance	Dr. Alper Yıldırım
Friday	03 November	
08:40-09:30	Anterior abdominal wall	Dr. Ümit Şehirli
09:40-10:30	Anterior abdominal wall	Dr. Ümit Şehirli
10:40-11:30	Vessels of the abdomen	Dr. Ümit Şehirli
11:40-12:30	Vessels of the abdomen	Dr. Ümit Şehirli
13:40-14:30	Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group A	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Oral cavity, intraoral structures - Group A	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group B	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Oral cavity, intraoral structures - Group B	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
Week 2 (November 06-10, 2017)		
Monday	06 November	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	07 November	
08:40-09:30	Anatomy LAB: Anterior abdominal wall, inguinal canal - Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Vessels of the abdomen - Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Anterior abdominal wall, inguinal canal - Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Vessels of the abdomen - Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün

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13:40-14:30	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın
14:40-15:30	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın
15:40-16:30	PBL-1	Dr. Berfu Çerçi Öngün
16:40-17:30	PBL-1	Dr. Halil Eren Sakallı Dr. Hasan Topper
Wednesday	08 November	
08:40-09:30	Anatomy LAB: Esophagus, stomach, duodenum and pancreas - Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Esophagus, stomach, duodenum and pancreas - Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Peritonum and omenta	Dr. Aymelek Yalın
11:40-12:30	Peritonum and omenta	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: Peritonum and Omenta - Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Peritonum and Omenta - Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
15:40-16:30	Genetics of gastrointestinal disorders	Dr. İlter Güney
16:40-17:30		
Thursday	09 November	
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 of stomach	Dr. Feriha Ercan
11:40-12:30	Histology of small and large intestine	Dr. Feriha Ercan
13:40-14:30	Histology LAB: Upper digestive tract	Dr. Feriha Ercan, Inst. Masoud Afshani
14:40-15:30	Histology LAB: Upper digestive tract	Dr. Feriha Ercan, Inst. Masoud Afshani
15:40-16:30	Histology LAB: Lower digestive tract	Dr. Feriha Ercan, Inst. Masoud Afshani
16:40-17:30	Histology LAB: Lower digestive tract	Dr. Feriha Ercan, Inst. Masoud Afshani
Friday	10 November	
08:40-09:30	Commemoration Ceremony for Atatürk (in CL Square)	
09:40-10:30		
10:40-11:30	Histology of pancreas	Dr. Feriha Ercan
11:40-12:30	Histology of the liver and portal system	Dr. Feriha Ercan
13:40-14:30	Development of digestive system	Dr. Feriha Ercan
14:40-15:30	Development of digestive system	Dr. Feriha Ercan

15:40-16:30	Histology LAB: Liver, pancreas and salivary glands	Dr. Feriha Ercan, Inst. Masoud Afshani
16:40-17:30	Histology LAB: Liver, pancreas and salivary glands	Dr. Feriha Ercan, Inst. Masoud Afshani
Week 3 (November 13-17, 2017)		
Monday	13 November	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	14 November	
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	Gastric digestion	Dr. Berrak Yeğen
14:40-15:30	Gastric digestion	Dr. Berrak Yeğen
15:40-16:30	PBL-2	Dr. Berfu Çerçi Öngün
16:40-17:30	PBL-2	Dr. Halil Eren Sakallı Dr. Hasan Toper
Wednesday	15 November	
08:40-09:30	TRNC Republic Day (HOLIDAY)	
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		
Thursday	16 November	
08:40-09:30	Oral digestion and deglutition	Dr. Hızır Kurtel

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09:40-10:30	Digestion in the small and large intestine	Dr. Hızır Kurtel
10:40-11:30	Metabolism of inorganic compounds	Dr. Betül Karademir
11:40-12:30	Detoxification mechanisms	Dr. Betül Karademir
13:40-14:30	Biochemistry LAB: Transamination	Dr. Betül Karademir Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
14:40-15:30	Biochemistry LAB: Transamination	Dr. Betül Karademir Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
15:40-16:30	Biochemistry LAB: Transamination	Dr. Betül Karademir Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
16:40-17:30	Biochemistry LAB: Transamination	Dr. Betül Karademir Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
Friday	17 November	
08:40-09:30	Functions of large intestine	Dr. Hızır Kurtel
09:40-10:30	Functions of large intestine	Dr. Hızır Kurtel
10:40-11:30	The role of bile in the digestion	Dr. Hızır Kurtel
11:40-12:30	The role of bile in the digestion	Dr. Hızır Kurtel
13:40-14:30	Exocrine functions of pancreas	Dr. Hızır Kurtel
14:40-15:30	Exocrine functions of pancreas	Dr. Hızır Kurtel
15:40-16:30		
16:40-17:30		
Week 4 (November 20-24, 2017)		
Monday	20 November	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	21 November	
08:40-09:30		
09:40-10:30	Jejunum, ileum and colon	Dr. Aymelek Yalın
10:40-11:30	Jejunum, ileum and colon	Dr. Aymelek Yalın

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11:40-12:30	Rectum and anal canal	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: Small and large intestine, rectum and anal canal - Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Small and large intestine, rectum and anal canal - Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
15:40-16:30	PBL-3	Dr. Berfu Çerçi Öngün Dr. Halil Eren Sakallı
16:40-17:30	PBL-3	Dr. Hasan Toper
Wednesday	22 November	
08:40-09:30	ICS-3: CSL: Abdomen session	Main Instructor: Dr. Bülent Sezgin
09:40-10:30	ICS-3: CSL: Abdomen session	
10:40-11:30	ICS-3: CSL: Abdomen session	Small Group Instructors: Dr. Berfu Çerçi Öngün Dr. Hasan Toper
11:40-12:30	ICS-3: CSL: Abdomen session	
13:40-14:30	ICS-3: CSL: Abdomen session	Main Instructor: Dr. Bülent Sezgin
14:40-15:30	ICS-3: CSL: Abdomen session	
15:40-16:30	ICS-3: CSL: Abdomen session	Small Group Instructors: Dr. Berfu Çerçi Öngün Dr. Hasan Toper
16:40-17:30	ICS-3: CSL: Abdomen session	
Thursday	23 November	
08:40-09:30		
09:40-10:30	Symptoms and signs of the gastrointestinal diseases	Dr. Adnan Giral
10:40-11:30	Symptoms and signs of the gastrointestinal diseases	Dr. Adnan Giral
11:40-12:30	Gastroesophageal reflux disease	Dr. Adnan Giral
13:40-14:30	Peptic ulcer disease	Dr. Adnan Giral
14:40-15:30	Motility disorders of esophagus	Dr. Adnan Giral
15:40-16:30	Pathology of oral cavity and salivary glands	Dr. Hasan Toper
16:40-17:30		
Friday	24 November	
08:40-09:30	Y1C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Pathology of gastritis and peptic ulcer disease	Dr. Leyla Cinel
14:40-15:30	Neoplastic diseases of stomach	Dr. Leyla Cinel
15:40-16:30	Dyspepsia in primary care	Dr. Arzu Uzuner
16:40-17:30	Dyspepsia in primary care	Dr. Arzu Uzuner
Week 5 (November 27-December 01, 2017)		
Monday	27 November	

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08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	28 November	
08:40-09:30		
09:40-10:30		
10:40-11:30	Liver, biliary and portal system	Dr. Aymelek Yalın
11:40-12:30	Liver, biliary and portal system	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: Liver, biliary and portal system - Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Liver, biliary and portal system - Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
15:40-16:30	PBL-4	Dr. Berfu Çerçi Öngün Dr. Halil Eren Sakallı
16:40-17:30	PBL-4	Dr. Hasan Toper
Wednesday	29 November	
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		
Thursday	30 November	
08:40-09:30	RELIGIOUS HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		

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13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	01 December	
08:40-09:30		
09:40-10:30	Digestion of nitrogenous compounds, carbohydrates and fat	Dr. Önder Şirikçi
10:40-11:30	Digestion of nitrogenous compounds, carbohydrates and fat	Dr. Önder Şirikçi
11:40-12:30	Transport of digested compounds	Dr. Önder Şirikçi
13:40-14:30	Transport of digested compounds	Dr. Önder Şirikçi
14:40-15:30	Metabolism of aminoacids	Dr. Önder Şirikçi
15:40-16:30		
16:40-17:30		
Week 6 (December 04-08, 2017)		
Monday	04 December	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	05 December	
08:40-09:30		
09:40-10:30		
10:40-11:30	ICS Research Study Time	
11:40-12:30	ICS Research Study Time	
13:40-14:30	Liver function tests	Dr. Goncagül Haklar
14:40-15:30	Liver function tests	Dr. Goncagül Haklar
15:40-16:30	Metabolism of nucleotides	Dr. Ergül Mutlu Altundağ
16:40-17:30		
Wednesday	06 December	
08:40-09:30		

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09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi
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	07 December	
08:40-09:30		
09:40-10:30	Heat and temperature, heat transfer in the body (Remote Session)	Dr. Pınar Mega Tiber
10:40-11:30	Morphological patterns of liver injury; viral hepatitis an dautoimmune hepatitis	Dr. Çiğdem Çelikel
11:40-12:30	Liver injury, regeneration and fibrogenesis	Dr. Çiğdem Çelikel
13:40-14:30	Inherited metabolic disorders of the liver	Dr. Çiğdem Çelikel
14:40-15:30	Developmental Abnormalities and liver diseases in childhood	Dr. Çiğdem Çelikel
15:40-16:30	Infections due to intestinal protozoa	Dr. Nurver Ülger
16:40-17:30		
Friday	08 December	
08:40-09:30	Mass lesions of the liver	Dr. Çiğdem Çelikel
09:40-10:30	Mass lesions of the liver	Dr. Çiğdem Çelikel
10:40-11:30	Food poisoning	Dr. Nurver Ülger
11:40-12:30	Infections due to Salmonella, Shigella and Yersinia	Dr. Nurver Ülger
13:40-14:30	Pathology of cholestatic disorders	Dr. Çiğdem Çelikel
14:40-15:30	Tumors of the small, large intestine and appendix	Dr. Çiğdem Çelikel
15:40-16:30	Pathology LAB: Gastrointestinal pathology: Liver and Gallbladder Pathology- Group A	Dr. Çiğdem Çelikel Dr. Hasan Toper
16:40-17:30	Pathology LAB: Gastrointestinal pathology: Liver and Gallbladder Pathology-Group B	Dr. Çiğdem Çelikel Dr. Hasan Toper
Week 7 (December 11-15, 2017)		
Monday	11 December	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course – III MDCN181 – Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan

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	MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30		
16:40-17:30		
Tuesday	12 December	
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	Infectious enterocolitis	Dr. Pelin Bağcı
14:40-15:30	Pathology LAB: Gastrointestinal pathology: Lower Gastrointestinal and Pancreas Pathology- Neoplastic-Group A	Dr. Pelin Bağcı Dr. Hasan Toper
15:40-16:30	Pathology LAB: Gastrointestinal pathology: Lower Gastrointestinal and Pancreas Pathology- Neoplastic-Group B	Dr. Pelin Bağcı Dr. Hasan Toper
16:40-17:30		
Wednesday	13 December	
08:40-09:30	Pathology of esophagus	Dr. Pelin Bağcı
09:40-10:30	Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract	Dr. Pelin Bağcı
10:40-11:30	Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract	Dr. Pelin Bağcı
11:40-12:30	Other viral infectious diseases of the liver (Remote Session)	Dr. Emine Bozkurtlar
13:40-14:30	Drug and toxin induced liver disease (Remote Session)	Dr. Emine Bozkurtlar
14:40-15:30	Fatty Liver Disease: Alcoholic and Non Alcoholic (Remote Session)	Dr. Emine Bozkurtlar
15:40-16:30	Pathology LAB: Gastrointestinal pathology: Upper Gastrointestinal Pathology-Group A	Dr. Pelin Bağcı Dr. Hasan Toper
16:40-17:30	Pathology LAB: Gastrointestinal pathology: Upper Gastrointestinal Pathology-Group B	Dr. Pelin Bağcı Dr. Hasan Toper
Thursday	14 December	
08:40-09:30	Gastroenteritis/Dehydration and oral rehydration (Remote Session)	Dr. Deniz Ertem
09:40-10:30	Nutritional assessment: Degree of malnutrition (Remote Session)	Dr. Deniz Ertem
10:40-11:30	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Güner Söyledir
11:40-12:30	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Güner Söyledir
13:40-14:30	Approach to diseases of the pancreas	Dr. Deniz Duman
14:40-15:30	Approach to diseases of the pancreas	Dr. Deniz Duman
15:40-16:30	Viral hepatitis	Dr. Deniz Duman

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16:40-17:30	Viral hepatitis	Dr. Deniz Duman
Friday	15 December	
08:40-09:30	Gastrointestinal absorption	Dr. Özgür Kasımay
09:40-10:30	Gastrointestinal absorption	Dr. Özgür Kasımay
10:40-11:30	Physiological functions of vitamins	Dr. Özgür Kasımay
11:40-12:30	Malabsorption and maldigestion in children (Remote Session)	Dr. Deniz Ertem
13:40-14:30	Alcoholic and non-alcoholic liver disease (Remote Session)	Dr. Yusuf Yılmaz
14:40-15:30	Food additives	Dr. Emel Lüleci
15:40-16-30	Epidemiology of zoonotic disease	Dr. Ahmet Topuzoglu
16:40-17:30	Epidemiology of food and waterborne disease	Dr. Ahmet Topuzoglu
Week 8 (December 18-22, 2017)		
Monday	18 December	
08:40-09:30	Communication in Turkish III	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish III	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish III	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish III	Inst. Emine Özerinç
13:40-14:30		
14:40-15:30		
15:40-16-30		
16:40-17:30		
Tuesday	19 December	
08:40-09:30		
09:40-10:30	Pharmacotherapy of peptic ulser disease	Dr. Halil Eren Sakallı
10:40-11:30	Mushroom and insecticide poisoning	Dr. Atıla Karaalp
11:40-12:30	Pharmacotherapy in hepatic disorders and the influence of liver functionon drug disposition	Dr. Atıla Karaalp
13:40-14:30	Radiology of the gastrointestinal tract (Remote Session)	Dr. Rabia Ergelen
14:40-15:30	Radiology of the gastrointestinal tract (Remote Session)	Dr. Rabia Ergelen
15:40-16-30	Malabsorption, maldigestion	Dr. Neşe İmeryüz
16:40-17:30	Tumors of the esophagus stomach and intestine	Dr. Neşe İmeryüz
Wednesday	20 December	
08:40-09:30	ICS-3: Advanced Communication Skills	Dr. Özlem Sarıkaya, Dr. Beste Atasoy, Dr. Bülent Sezgin
09:40-10:30	ICS-3: Advanced Communication Skills	
10:40-11:30	ICS-3: Advanced Communication Skills	
11:40-12:30	ICS-3: Advanced Communication Skills	
13:40-14:30	ICS-3: Advanced Communication Skills	Dr. Özlem Sarıkaya,

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14:40-15:30	ICS-3: Advanced Communication Skills	Dr. Beste Atasoy, Dr. Bülent Sezgin
15:40-16:30	ICS-3: Advanced Communication Skills	
16:40-17:30	ICS-3: Advanced Communication Skills	
Thursday	21 December	
08:40-09:30		
09:40-10:30	Viral gastroenteritis (Remote Session)	Dr. Ufuk Hasdemir
10:40-11:30	Gastrointestinal system infections due to Escherichia coli	Dr. Ayşegül Karahasan
11:40-12:30	Infections due to vibrio cholerae and campylobacter species	Dr. Ayşegül Karahasan
13:40-14:30	Acute abdominal pain (Remote Session)	Dr. Ömer Günel
14:40-15:30	Helminth infections and echinococcosis	Dr. Ayşegül Karahasan
15:40-16:30	Microbiological approach to the patient with diarrhea	Dr. Ayşegül Karahasan
16:40-17:30		
Friday	22 December	
08:40-09:30	Y2C2 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		
Week 9 (December 25-29, 2017)		
Monday	25 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		
Tuesday	26 December	
08:40-09:30	Pharmacotherapy of gastrointestinal motility disorders	Dr. Ahmet Akıcı
09:40-10:30	Pharmacotherapy of gastrointestinal motility disorders	Dr. Ahmet Akıcı
10:40-11:30	Gallstone disease, diseases of the biliary tract	Dr. Osman Cavit Özdoğan

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11:40-12:30	Liver cirrhosis; epidemiology and etiology	Dr. Osman Cavit Özdoğan
13:40-14:30	Metabolic diseases of liver	Dr. Osman Cavit Özdoğan
14:40-15:30	Liver cirrhosis; diagnosis, staging and portal hypertension	Dr. Osman Cavit Özdoğan
15:40-16:30	Liver cirrhosis; complications, treatment and liver transplantation	Dr. Osman Cavit Özdoğan
16:40-17:30		
Wednesday	27 December	
08:40-09:30	Approach to gastrointestinal bleeding	Dr. Yeşim Özen Alahdab
09:40-10:30	Jaundice	Dr. Yeşim Özen Alahdab
10:40-11:30	Inflammatory bowel disease	Dr. Yeşim Özen Alahdab
11:40-12:30	Inflammatory bowel disease	Dr. Yeşim Özen Alahdab
13:40-14:30	Abdominal pain	Dr. Yeşim Özen Alahdab
14:40-15:30	Approach to the mass lesions of liver	Dr. Yeşim Özen Alahdab
15:40-16:30	Autoimmune diseases of the liver	Dr. Yeşim Özen Alahdab
16:40-17:30		
Thursday	28 December	
08:40-09:30	Malabsorption syndromes, vascular disorders and diverticular disease	Dr. Hasan Toper
09:40-10:30	Pathology LAB: Gastrointestinal pathology: Lower Gastrointestinal Pathology-Non-neoplastic-Group A	Dr. Hasan Toper
10:40-11:30	Pathology LAB: Gastrointestinal pathology: Lower Gastrointestinal Pathology-Non-neoplastic-Group B	Dr. Hasan Toper
11:40-12:30	Acute abdominal pain in children (Remote Session)	Dr. Kıvılcım Karadeniz Cerit
13:40-14:30	Microbiology LAB: Laboratory Diagnosis of GIS Infections	Dr. Mümtaz Güran
14:40-15:30	Microbiology LAB: Laboratory Diagnosis of GIS Infections	Dr. Mümtaz Güran
15:40-16:30		
16:40-17:30		
Friday	29 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		
Week 10 (January 01-05, 2017)		

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Monday	01 January	
08:40-09:30	NEW YEAR'S HOLIDAY	
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		
Tuesday	02 January	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
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	03 January	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Thursday	04 January	
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		
Friday	05 January	
08:40-09:30		
09:40-10:30	THEORETICAL EXAM (starts at 09:30 am)	

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10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		