



**GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS  
YEAR 3 COURSE 2**

**October 24th, 2016 – December 30th, 2016**

**Coordinator of the Course 3.2**

Assist. Prof., Mümtaz GÜRAN

**Coordinator of Multidisciplinary Students' Lab.**

Assist. Prof., Mümtaz GÜRAN

**Coordinator of Clinical Skill Lab.**

Instructor., Berfu Çerçi ÖNGÜN

**Coordinator of Assessment Unite**

Asist. Prof., Mümtaz GÜRAN, Assist. Prof. Dr.  
Mevhibe Hocaoğlu

**Coordinator of ICS Res. LAB.**

Asist. Prof., Ilke AKCAY

**Year 3 Coordinators**

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

**Module Coordinator**

Assoc. Prof., Özlem SARIKAYA

**Introduction to Clinician Skills(ICS) Coordinators**

Prof., Sibel SAKARYA, Assoc. Prof., Pemra ÜNALAN

**Coordinator of Multidisciplinary Students' Lab.**

Asist. Prof., Betül KARADEMİR

**Coordinator of Assessment Unite**

Asist. Prof., Cevdet NACAR

**Vice-Chief Coordinators**

**Assessment**

Asist. Prof., Cevdet NACAR

**Students' Affairs**

Asist. Prof., Can ERZİK

**Chief Coordinator**

Assoc. Prof., Hasan YANANLI

**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

**Acting Dean (MU)**

Prof., Ömer GÜNAL

## 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 : 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
- Internal Medicine-Gastroenterology
- General Surgery
- Histology and Embryology
- Microbiology

- Nuclear Medicine
- Pathology
- Pharmacology
- Pediatrics
- Pediatric Surgery
- Physiology
- Public Health
- Radiology

### LECTURERS / TUTORS

Adnan Giral, Professor of Gastroenterology  
Ahmet Akıcı, Professor of Pharmacology  
Alper Yıldırım, Assist. Prof. of Physiology  
Arzu Uzuner, Assoc. Prof. of Family Medicine  
Atıla Karaalp, Professor of Pharmacology  
Aymelek Yalın, Professor of Anatomy  
Ayşe Kozansoy, Instructor of School of Foreign Languages and Preparatory School  
Ayşegül Karahasan, Professor of Microbiology  
Berfu Çerçi Öngün, Instructor of Anatomy  
Berrak Yeğen, Professor of Physiology  
Betül Karademir, Assist. Prof. of Biochemistry  
Bülent Sezgin, Assist. Prof. of Internal Medicine

Hakan Akın, Assoc. Prof. of Gastroenterology  
Hakan Akın, Assoc. Professor of Internal Medicine  
İlter Güney, Assist. Prof. of Medical Genetics  
Kıvılcım Karadeniz Cerit, Assist. Prof. of Pediatric Surgery  
Leyla Cinel, Professor of Pathology  
Medine Gülçebi İdriz, Instructor of Pharmacology  
Mehmet Akman, Assoc. Prof. Family Medicine  
Mümtaz Güran, Assist. Prof. of Microbiology  
Nahide Gökçora, Professor of Nuclear Medicine  
Neşe İmeryüz, Professor of Gastroenterology  
Nevber İstillozlu, Instructor of School of Foreign Languages and Preparatory School  
Nurver Ülger, Assoc. Prof. of Microbiology

Cevdet Nacar, Assist. Prof. of Biophysics  
Çiğdem Çelikel, Professor of Pathology  
Deniz Ertem, Prof. of Pediatrics  
Deniz Güney Duman, Assoc. Prof. of Gastroenterology  
Dilek Akakın, Assoc. Prof. of Histology and Embryology  
Emel Lülecı, Assoc. Prof. of Public Health,  
Emine Bozkurtlar, Assist. Prof. of Pathology  
Emine Özerinç, Instructor of School of Foreign  
Languages and Preparatory School  
Feriha Ercan, Professor of Histology and Embryology  
Feyza Güzdüz, Assoc. Prof. of Gastroenterology  
Funda Eren, Professor of Pathology  
Goncagül Haklar, Professor of Biochemistry  
Güner Söyledir, Professor of Microbiology  
Hızır Kurtel, Professor of Physiology

Osman Cavit Özdoğan, Professor of Gastroenterology  
Ömer Günal, Professor of General Surgery  
Önder Şirikçi, Professor of Biochemistry  
Özgür Kasımay, Assoc. Prof. of Physiology  
Pelin Bağcı, Assoc. Prof. of Pathology  
Pembe Eris, General Practitioner, Dr.  
Pınar Ay, Professor of Public Health  
Pınar Mega Tiber, Assoc. Prof. of Biophysics  
Rabia Ergelen, Assist. Prof. of Radiology  
Ramazan Kurt, Assoc. Prof. of Gastroenterology  
Saime Batirel, Assist. Prof. of Biochemistry  
Ufuk Hasdemir, Professor of Microbiology  
Ümit Şehirli, Professor of Anatomy  
Yeşim Alahdab, Assoc. Prof. of Gastroenterology  
Yusuf Yılmaz, Assoc. Prof. of Gastroenterology

### 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**

<b>Discipline</b>	<b>Lecture &amp; Group Discussion</b>	<b>Multidisciplinary Lab. &amp; Clinical Skills Lab. Practice</b>	<b>Total</b>
Anatomy	18	8	34
Biochemistry	22	4	26
Biophysics	4		4
Histology and Embryology	6	4	10
Family Medicine	2		2
General Surgery	1		1
Internal Medicine	24		24
Microbiology	9	2	11
Pathology	20	4	24
Pediatrics	3		3
Pediatric Surgery	1		1
Pharmacology	3		3
Physiology	16		16
Public Health	3		3
Radiology	2		2
Nuclear Medicine	1		1
<b>Subtotal</b>	<b>135</b>	<b>22</b>	<b>165</b>
<b>PBL Module</b>	8		8
<b>ICS-3: Basic Medical Practices, Clinical Skills Lab., Students Research Activity</b>	0	24	24
<b>Communication in Turkish-IV (Foreign Students)</b>	34		34
<b>Medical Turkish Communication Skills (Foreign Students)</b>	16		16
<b>Elective Course</b>	19		19
<b>TOTAL</b>	<b>212</b>	<b>46</b>	<b>266</b>

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
<b>Week-1 (October 24-28, 2016)</b>		
<b>Monday</b>	<b>24 October</b>	
08:40-09:30		
09:40-10:30		
10:40-11:30	Introduction to the course and opening lecture	Dr. Pınar Mega Tiber
11:40-12:30	Heat and temperature, heat transfer in the body	Dr. Pınar Mega Tiber
13:40-14:30	Introduction to gastrointestinal system	Dr. Alper Yıldırım
14:40-15:30	Physiology of gastrointestinal motility	Dr. Alper Yıldırım
15:40-16:30	Energy metabolism, energy turnover and balance	Dr. Alper Yıldırım
16:40-17:30		
<b>Tuesday</b>	<b>25 October</b>	
08:40-09:30		
09:40-10:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
13:40-14:30	Gastric digestion	Dr. Berrak Yeğen
14:40-15:30	Gastric digestion	Dr. Berrak Yeğen
15:40-16:30	<b>Elective Course</b>	
16:40-17:30	<b>Elective Course</b>	
<b>Wednesday</b>	<b>26 October</b>	
08:40-09:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
14:40-15:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
15:40-16:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
16:40-17:30	ICS-3:Polyclinic Visits-1	Dr. Berfu Çerçi Öngün
<b>Thursday</b>	<b>27 October</b>	
08:40-09:30		
09:40-10:30	Oral cavity, intraoral structures	Dr. Ümit Şehirli
10:40-11:30	Oral cavity, intraoral structures	Dr. Ümit Şehirli
11:40-12:30	Salivary glands	Dr. Ümit Şehirli
13:40-14:30	<b>Anatomy LAB: Oral cavity, intraoral structures-Group A</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	<b>Anatomy LAB: Oral cavity, intraoral structures-Group B</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün

15:40-16:30	<b>Anatomy LAB:</b> Salivary glands, temporomandibular joint, muscles of mastication-Group A	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
16:40-17:30	<b>Anatomy LAB:</b> Salivary glands, temporomandibular joint, muscles of mastication-Group B	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
<b>Friday</b>	<b>28 October</b>	
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	Communication in Turkish IV	Inst. Emine Özeriç, Inst. Nevber İstillozlu
14:40-15:30	Communication in Turkish IV	Inst. Emine Özeriç, Inst. Nevber İstillozlu
15:40-16:30	Communication in Turkish IV	Inst. Emine Özeriç, Inst. Nevber İstillozlu
16:40-17:30		
<b>Week 2 (October 31- November 04, 2016)</b>		
<b>Monday</b>	<b>31 October</b>	
08:40-09:30		
09:40-10:30	Dyspepsia in primary care	Dr. Arzu Uzuner
10:40-11:30	Dyspepsia in primary care	Dr. Arzu Uzuner
11:40-12:30	Gastrointestinal absorption	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	The role of bile in the digestion	Dr. Hızır Kurtel
16:40-17:30	The role of bile in the digestion	Dr. Hızır Kurtel
<b>Tuesday</b>	<b>01 November</b>	
08:40-09:30		
09:40-10:30	Digestion in the small and large intestine	Dr. Hızır Kurtel
10:40-11:30	Functions of large intestine	Dr. Hızır Kurtel
11:40-12:30	Functions of large intestine	Dr. Hızır Kurtel
13:40-14:30	Oral digestion and deglutition	Dr. Hızır Kurtel
14:40-15:30	Oral digestion and deglutition	Dr. Hızır Kurtel
15:40-16:30	<b>Elective Course</b>	
16:40-17:30	<b>Elective Course</b>	
<b>Wednesday</b>	<b>02 November</b>	
08:40-09:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
09:40-10:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
10:40-11:30	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın
11:40-12:30	Esophagus, stomach, duodenum and pancreas	Dr. Aymelek Yalın
13:40-14:30	Peritonum and omenta	Dr. Aymelek Yalın
14:40-15:30	Peritonum and omenta	Dr. Aymelek Yalın
15:40-16:30	Jejunum, ileum and colon	Dr. Aymelek Yalın

16:40-17:30	Jejunum, ileum and colon	Dr. Aymelek Yalın
<b>Thursday</b>	<b>03 November</b>	
08:40-09:30		
09:40-10:30		
10:40-11:30	<b>Anatomy LAB:</b> Peritonum and Omenta-Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	<b>Anatomy LAB:</b> Peritonum and Omenta-Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Rectum and anal canal	Dr. Aymelek Yalın
14:40-15:30	<b>Anatomy LAB:</b> Esophagus, stomach, duodenum and pancreas-Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
15:40-16:30	<b>Anatomy LAB:</b> Esophagus, stomach, duodenum and pancreas-Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
16:40-17:30		
<b>Friday</b>	<b>04 November</b>	
08:40-09:30		
09:40-10:30	Viral gastroenteritis	Dr. Ufuk Hasdemir
10:40-11:30	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Güner Söyletir
11:40-12:30	Epidemiology and laboratory diagnosis of viral hepatitis	Dr. Güner Söyletir
13:40-14:30	<b>Microbiology LAB:</b> Laboratory Diagnosis of GIS Infections	Dr. Ufuk Hasdemir, Dr.Mümtaz Güran
14:40-15:30	<b>Microbiology LAB:</b> Laboratory Diagnosis of GIS Infections	Dr. Ufuk Hasdemir, Dr.Mümtaz Güran
15:40-16:30	<b>Anatomy LAB:</b> Small and large intestine, rectum and anal canal-Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
16:40-17:30	<b>Anatomy LAB:</b> Small and large intestine, rectum and anal canal-Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
<b>Week 3 (November 07-11, 2016)</b>		
<b>Monday</b>	<b>07 November</b>	
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	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi
13:40-14:30	Proteins in the diet and nitrogen metabolism	Dr. Önder Şirikçi
14:40-15:30	Transport of digested compounds	Dr. Önder Şirikçi
15:40-16:30	Transport of digested compounds	Dr. Önder Şirikçi
16:40-17:30		
<b>Tuesday</b>	<b>08 November</b>	
08:40-09:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber



		İstillozlu
11:40-12:30	Metabolism of aminoacids	Dr. Önder Şirikçi
13:40-14:30	Porphyrins and bile pigments	Dr. Önder Şirikçi
14:40-15:30	Porphyrins and bile pigments	Dr. Önder Şirikçi
15:40-16:30	<b>Elective Course</b>	
16:40-17:30	<b>Elective Course</b>	
<b>Wednesday</b>	<b>09 November</b>	
08:40-09:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
09:40-10:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
10:40-11:30		
11:40-12:30	Genetics of gastrointestinal disorders	Dr. İlder Güney
13:40-14:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
14:40-15:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
15:40-16:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
16:40-17:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
<b>Thursday</b>	<b>10 November</b>	
08:40-09:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
10:40-11:30	Histology of oral cavity, lip, tooth, tongue and esophagus	Dr. Feriha Ercan
11:40-12:30	Histology of oral cavity, lip, tooth, tongue and esophagus	Dr. Feriha Ercan
13:40-14:30	Histology of stomach	Dr. Feriha Ercan
14:40-15:30	Histology of small and large intestine	Dr. Feriha Ercan
15:40-16:30	<b>Histology LAB: Upper digestive tract</b>	Dr. Feriha Ercan, Dr. Masoud Afshani
16:40-17:30	<b>Histology LAB: Upper digestive tract</b>	Dr. Feriha Ercan, Dr. Masoud Afshani
<b>Friday</b>	<b>11 November</b>	
08:40-09:30	Histology of pancreas	Dr. Feriha Ercan
09:40-10:30	Histology of the liver and portal system	Dr. Feriha Ercan
10:40-11:30	<b>Histology LAB: Lower digestive tract</b>	Dr. Feriha Ercan, Dr. Masoud Afshani
11:40-12:30	<b>Histology LAB: Lower digestive tract</b>	Dr. Feriha Ercan, Dr. Masoud Afshani
13:40-14:30	<b>Histology LAB: Liver, pancreas and salivary glands</b>	Dr. Feriha Ercan, Dr. Masoud Afshani
14:40-15:30	<b>Histology LAB: Liver, pancreas and salivary glands</b>	Dr. Feriha Ercan, Dr. Masoud Afshani
15:40-16:30	Development of digestive system	Dr. Feriha Ercan
16:40-17:30	Development of digestive system	Dr. Feriha Ercan
<b>Week 4 (November 14-18, 2016)</b>		
<b>Monday</b>	<b>14 November</b>	
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	Metabolism of carbohydrates	Dr. Goncagül Haklar
14:40-15:30	Liver function tests	Dr. Goncagül Haklar
15:40-16:30	Liver function tests	Dr. Goncagül Haklar
16:40-17:30	Physiological functions of the vitamins	Dr. İnci Alican
<b>Tuesday</b>	<b>15 November</b>	
08:40-09:30		
09:40-10:30	<b>HOLIDAY</b>	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
<b>Wednesday</b>	<b>16 November</b>	
08:40-09:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
14:40-15:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
15:40-16:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
16:40-17:30	ICS-3:Polyclinic Visits-2	Dr. Berfu Çerçi Öngün
<b>Thursday</b>	<b>17 November</b>	
08:40-09:30	Temporomandibular joint, muscles of mastication	Dr. Ümit Şehirli
09:40-10:30	Temporomandibular joint, muscles of mastication	Dr. Ümit Şehirli
10:40-11:30	Liver, biliary and portal system	Dr. Ümit Şehirli
11:40-12:30	Liver, biliary and portal system	Dr. Ümit Şehirli
13:40-14:30	Pharmacotherapy in peptic ulcer disease	Dr. Medine Gülçebi İdrisoğlu
14:40-15:30	Pathology of oral cavity and salivary glands	Dr. Funda Eren
15:40-16:30	Mass lesions of the liver	Dr. Funda Eren
16:40-17:30	Mass lesions of the liver	Dr. Funda Eren
<b>Friday</b>	<b>18 November</b>	
08:40-09:30		
09:40-10:30	<b>Anatomy LAB: Liver, biliary and portal system-Group A</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
10:40-11:30	<b>Anatomy LAB: Liver, biliary and portal system-Group B</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	<b>Anatomy LAB: Anterior abdominal wall, inguinal canal-Group A</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	<b>Anatomy LAB: Anterior abdominal wall, inguinal canal-Group A</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	<b>Anatomy LAB: Vessels of the abdomen-Group A</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16:30	<b>Anatomy LAB: Vessels of the abdomen-Group B</b>	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
16:40-17:30		

Week 5 (November 21-25, 2016)		
<b>Monday</b>	<b>21 November</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	Symptoms and signs of the gastrointestinal diseases	Dr. Adnan Giral
<b>10:40-11:30</b>	Symptoms and signs of the gastrointestinal diseases	Dr. Adnan Giral
<b>11:40-12:30</b>	Gastroesophageal reflux disease	Dr. Adnan Giral
<b>13:40-14:30</b>	Peptic ulcer disease	Dr. Adnan Giral
<b>14:40-15:30</b>	Motility disorders of esophagus	Dr. Adnan Giral
<b>15:40-16:30</b>	<b>PBL Module 1</b>	Dr. Adnan Giral
<b>16:40-17:30</b>	<b>PBL Module 1</b>	Dr. Adnan Giral
<b>Tuesday</b>	<b>22 November</b>	
<b>08:40-09:30</b>	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
<b>09:40-10:30</b>	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
<b>10:40-11:30</b>	Gastrointestinal system infections due to Escherichia coli	Dr. Ayşegül Karahasan
<b>11:40-12:30</b>	Infections due to vibrio cholerae and campylobacter species	Dr. Ayşegül Karahasan
<b>13:40-14:30</b>	Helminth infections and echinococcosis	Dr. Ayşegül Karahasan
<b>14:40-15:30</b>	Microbiological approach to the patient with diarrhea	Dr. Ayşegül Karahasan
<b>15:40-16:30</b>	<b>Elective Course</b>	
<b>16:40-17:30</b>	<b>Elective Course</b>	
<b>Wednesday</b>	<b>23 November</b>	
<b>08:40-09:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>09:40-10:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>10:40-11:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>11:40-12:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>13:40-14:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>14:40-15:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>15:40-16:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>16:40-17:30</b>	ICS-3:CSL: Abdomen session	Dr. Mehmet Akman, Dr. Bülent Sezgin, Dr. Pembe Eris
<b>Thursday</b>	<b>24 November</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	Pathology of esophagus	Dr. Pelin Bağcı
<b>10:40-11:30</b>	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	Infectious enterocolitis	Dr. Pelin Bağcı
14:40-15:30	<b>Pathology LAB:</b> Lower GI tract pathology-Group A	Dr. Pelin Bağcı
15:40-16:30	<b>Pathology LAB:</b> Lower GI tract pathology-Group B	Dr. Pelin Bağcı
16:40-17:30		
<b>Friday</b>	<b>25 November</b>	
08:40-09:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
09:40-10:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
10:40-11:30		
11:40-12:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
13:40-14:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
14:40-15:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
15:40-16:30		
16:40-17:30		
<b>Week 6 (November 28- December 02, 2016)</b>		
<b>Monday</b>	<b>28 November</b>	
08:40-09:30		
09:40-10:30	Approach to diseases of the pancreas	Dr.Deniz Duman Güney
10:40-11:30	Approach to diseases of the pancreas	Dr.Deniz Duman Güney
11:40-12:30	Viral hepatitis	Dr.Deniz Duman Güney
13:40-14:30	Viral hepatitis	Dr.Deniz Duman Güney
14:40-15:30	Alcoholic and non-alcoholic liver disease	Dr.Yusuf Yılmaz
15:40-16:30	<b>PBL Module 2</b>	Dr.Yusuf Yılmaz
16:40-17:30	<b>PBL Module 2</b>	Dr.Yusuf Yılmaz
<b>Tuesday</b>	<b>29 November</b>	
08:40-09:30		
09:40-10:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
11:40-12:30	Epidemiology of gastrointestinal diseases	Dr. Neşe İmeryüz
13:40-14:30	Malabsorption, maldigestion	Dr. Neşe İmeryüz
14:40-15:30	Tumors of the esophagus stomach and intestine	Dr. Neşe İmeryüz
15:40-16:30	<b>Elective Course</b>	
16:40-17:30	<b>Elective Course</b>	
<b>Wednesday</b>	<b>30 November</b>	
08:40-09:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
09:40-10:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
10:40-11:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu

11:40-12:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
13:40-14:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
14:40-15:30		
15:40-16:30		
16:40-17:30		
<b>Thursday</b>	<b>01 December</b>	
08:40-09:30		
09:40-10:30	Morphological patterns of hepatic injury and cirrhosis	Dr. Çiğdem Ataizi Çelikel
10:40-11:30	Pathology of acute and chronic hepatitis	Dr. Çiğdem Ataizi Çelikel
11:40-12:30	Malabsorption syndromes, vascular disorders and diverticular disease	Dr. Çiğdem Ataizi Çelikel
13:40-14:30	Pathology of cholestatic disorders	Dr. Çiğdem Ataizi Çelikel
14:40-15:30	Inborn errors of metabolism	Dr. Çiğdem Ataizi Çelikel
15:40-16:30	Pediatric liver disease	Dr. Çiğdem Ataizi Çelikel
16:40-17:30	Tumors of the small, large intestine and appendix	Dr. Çiğdem Ataizi Çelikel
<b>Friday</b>	<b>02 December</b>	
08:40-09:30	Metabolic disorders of liver	Dr. Çiğdem Ataizi Çelikel
09:40-10:30	Inflammatory bowel disease	Dr. Çiğdem Ataizi Çelikel
10:40-11:30	<b>Pathology LAB:</b> Pathology of liver and gallbladder	Dr. Çiğdem Ataizi Çelikel
11:40-12:30	<b>Pathology LAB:</b> Pathology of liver and gallbladder	Dr. Çiğdem Ataizi Çelikel
13:40-14:30	Acute abdominal pain	Dr. Ömer Günel
14:40-15:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
15:40-16:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
16:40-17:30		
<b>Week 7 (December 05-09, 2016)</b>		
<b>Monday</b>	<b>05 December</b>	
08:40-09:30		
09:40-10:30		
10:40-11:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
13:40-14:30	Approach to gastrointestinal bleeding	Dr. Feyza Gündüz
14:40-15:30	<b>PBL Module 3</b>	Dr. Feyza Gündüz
15:40-16:30	<b>PBL Module 3</b>	Dr. Feyza Gündüz
16:40-17:30		
<b>Tuesday</b>	<b>06 December</b>	
08:40-09:30		
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	<b>Elective Course</b>	<b>Elective Course</b>
16:40-17:30	<b>Elective Course</b>	<b>Elective Course</b>
<b>Wednesday</b>	<b>07 December</b>	
08:40-09:30		
09:40-10:30	Infections due to intestinal protozoa	Dr. Nurver Ülger
10:40-11:30	Food poisoning	Dr. Nurver Ülger
11:40-12:30	Biochemical aspects of nutrition	Dr. Saime Batirel
13:40-14:30	Biochemical aspects of nutrition	Dr. Saime Batirel
14:40-15:30	Gastric, intestinal and pancreatic function tests	Dr. Saime Batirel
15:40-16:30	Gastric, intestinal and pancreatic function tests	Dr. Saime Batirel
16:40-17:30	Hepatobiliary scintigraphy	Dr. Nahide Gökcora
<b>Thursday</b>	<b>08 December</b>	
08:40-09:30	Metabolism of inorganic compounds	Dr. Betül Karademir
09:40-10:30	Detoxification mechanisms	Dr. Betül Karademir
10:40-11:30	Radiology of the gastrointestinal tract	Dr. Rabia Ergelen
11:40-12:30	Radiology of the gastrointestinal tract	Dr. Rabia Ergelen
13:40-14:30	<b>Biochemistry LAB: Transamination</b>	Dr. Betül Karademir,Dr.Saime Batirel
14:40-15:30	<b>Biochemistry LAB: Transamination</b>	Dr. Betül Karademir,Dr.Saime Batirel
15:40-16:30	<b>Biochemistry LAB: Transamination</b>	Dr. Betül Karademir,Dr.Saime Batirel
16:40-17:30	<b>Biochemistry LAB: Transamination</b>	Dr. Betül Karademir,Dr.Saime Batirel
<b>Friday</b>	<b>09 December</b>	
08:40-09:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
09:40-10:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
10:40-11:30	Pharmacotherapy of gastrointestinal motility disorders	Dr. Ahmet Akıcı
11:40-12:30	Pharmacotherapy of gastrointestinal motility disorders	Dr. Ahmet Akıcı
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	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
<b>Week 8 (December 12-16, 2016)</b>		
<b>Monday</b>	<b>12 December</b>	
08:40-09:30	Inflammatory bowel disease	Dr. Yeşim Alahdab
09:40-10:30	Inflammatory bowel disease	Dr. Yeşim Alahdab
10:40-11:30	Abdominal pain	Dr. Yeşim Alahdab
11:40-12:30	Approach to the mass lesions of liver	Dr. Yeşim Alahdab

13:40-14:30	Autoimmune diseases of the liver	Dr. Yeşim Alahdab
14:40-15:30	<b>PBL Module 4</b>	Dr. Yeşim Alahdab
15:40-16:30	<b>PBL Module 4</b>	Dr. Yeşim Alahdab
16:40-17:30		
<b>Tuesday</b>	<b>13 December</b>	
08:40-09:30		
09:40-10:30	Acute abdominal pain in children	Dr. Kılıncım Karadeniz Cerit
10:40-11:30	Food additives	Dr. Emel Lüleci
11:40-12:30	Gastroenteritis/Dehydration and oral rehydration	Dr. Deniz Ertem
13:40-14:30	Malabsorption and maldigestion in children	Dr. Deniz Ertem
14:40-15:30	Nutritional assessment: Degree of malnutrition	Dr. Deniz Ertem
15:40-16:30	<b>Elective Course</b>	
16:40-17:30	<b>Elective Course</b>	
<b>Wednesday</b>	<b>14 December</b>	
08:40-09:30	Other viral infectious diseases of the liver	Dr. Emine Bozkurtlar
09:40-10:30	Drug and toxin induced liver disease	Dr. Emine Bozkurtlar
10:40-11:30	<b>Pathology LAB:</b> Upper GI tract pathology-Group A	Dr. Emine Bozkurtlar
11:40-12:30	<b>Pathology LAB:</b> Upper GI tract pathology-Group B	Dr. Emine Bozkurtlar
13:40-14:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
14:40-15:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
15:40-16:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
16:40-17:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
<b>Thursday</b>	<b>15 December</b>	
08:40-09:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
10:40-11:30	Mushroom and insecticide poisoning	Dr. Atila Karaalp
11:40-12:30	Pharmacotherapy in hepatic disorders and the influence of liver function on drug disposition	Dr. Atila Karaalp
13:40-14:30	Epidemiology of zoonotic disease	Dr. Pınar Ay
14:40-15:30	Epidemiology of food and waterborne disease	Dr. Pınar Ay
15:40-16:30		
16:40-17:30		
<b>Friday</b>	<b>16 December</b>	
08:40-09:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
09:40-10:30	Medical Turkish Communication Skills	Inst. Ayşe Kozansoy
10:40-11:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu

13:40-14:30	Communication in Turkish IV	Inst. Emine Özerinç, Inst. Nevber İstillozlu
14:40-15:30		
15:40-16:30		
16:40-17:30		
<b>Week 9 (December 19-23, 2016)</b>		
<b>Monday</b>	<b>19 December</b>	
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		
<b>Tuesday</b>	<b>20 December</b>	
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	Elective Course	
16:40-17:30	Elective Course	
<b>Wednesday</b>	<b>21 December</b>	
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		
<b>Thursday</b>	<b>22 December</b>	
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		
<b>Friday</b>	<b>23 December</b>	
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		
<b>Week 10 (December 26-30, 2016)</b>		
<b>Monday</b>	<b>26 December</b>	
08:40-09:30		
09:40-10:30	<b>PRACTICAL EXAM</b>	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
<b>Tuesday</b>	<b>27 December</b>	
08:40-09:30		
09:40-10:30	<b>PRACTICAL EXAM</b>	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
<b>Wednesday</b>	<b>28 December</b>	
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		

<b>Thursday</b>	<b>29 December</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Friday</b>	<b>30 December</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	<b>THEORETICAL EXAM</b>	
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		