**GAZI UNIVERSITY FACULTY OF MEDICINE**

**YEAR III, 2024-2025**

**GASTROINTESTINAL SYSTEM COURSE COMMITTEE**

**December 16, 2024- January 16, 2025**

**Examination: January 17, 2025 09:30 AM**

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| **Courses** | **Theoretical** | **Panel** | **Lab.** | **Practice** | **Courses** |
| **INTERNAL MEDICINE (Gastroenterology)** | **18** | **1+1**  **(M. Biochemistry/ Internal Medicine)** |  |  | **19** |
| **INTERNAL MEDICINE (Oncology)** | **1** |  |  |  | **1** |
| **PEDIATRICS (Nutrition-Metabolism)** | **1** |  |  |  | **1** |
| **PEDIATRICS (Gastroenterology-Hepatology)** | **1** |  |  |  | **1** |
| **GENERAL SURGERY** | **1** |  |  |  | **1** |
| **MEDICAL PATHOLOGY** | **17** |  |  |  | **17** |
| **MEDICAL MICROBIOLOGY** | **20** |  | **2** |  | **22** |
| **MEDICAL PHARMACOLOGY** | **5** |  |  |  | **5** |
| **PUBLIC HEALTH** | **1** |  |  |  | **1** |
| **IMMUNOLOGY** | **1** |  |  |  | **1** |
| **MEDICAL BIOCHEMISTRY** | **4** | **1+1**  **(M. Biochemistry/ Internal Medicine)** | **2** |  | **7** |
| **NUCLEAR MEDICINE** | **1** |  |  |  | **1** |
| **RADIOLOGY** | **4** |  |  |  | **4** |
| **TOTAL** | **75** | **2** | **4** |  | **81** |
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| **CLINICAL SKILLS EDUCATION (CSE)** |  |  |  | **1x4** | **4** |
| **ELECTIVE COURSE** | **4x2** |  |  |  | **8** |
| **COMMUNICATION SKILLS** |  |  |  | **3x2** | **6** |
| **MEDICAL ENGLISH** | **4x2** |  |  |  | **8** |
| **TOTAL** | **16** |  |  | **10** | **26** |
| **FREE RUN-TIME** |  |  | | | |

*\*Online lessons Total: 26 work days*

***Medical English (face-to-face):*** Starting from October 04, 2023. It is every Wednesday between 1.30 pm and 3.20 pm.

***Elective Course:*** Starting from October 04, 2023. It is every Wednesday between 3.30 pm and 5.20 pm.

***Free run time definition:*** Individual studying courses intended for learning objectives (clinical skills education, problem based learning, etc.) in accordance with the present committee.

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| **Dean** | Prof.Dr. Alper CEYLAN |
| **Vice Dean** | Assoc.Prof.Dr. Nazmi Mutlu KARAKAŞ |
| **Vice Dean** | Assoc.Prof.Dr. Asiye UĞRAŞ DİKMEN |
| **Head Coordinator** | Prof.Dr. Çiğdem ÖZER |
| **Assistant Head Coordinator** | Prof.Dr. Akif Muhtar ÖZTÜRK |
| **Assistant Head Coordinator (Eng)** | Prof.Dr. M.Ali ERGÜN |
| **IIIrd year Coordinator** | Assoc.Prof.Dr. Hale Zeynep BATUR ÇAĞLAYAN |
| **Assistant IIIrd year Coordinator** | Assoc.Prof.Dr.Ergin DİLEKÖZ |
| **Assistant IIIrd year Coordinator** | Asist.Prof.Dr. Burak SEZENÖZ |
| **Assistant IIIrd year Coordinator** | Asist.Prof.Dr. Mehmet Arda İNAN |
| **Assistant IIIrd year Coordinator** | Asist.Prof.Dr. Esra ERKOÇ ATAOĞLU |
| **Assistant IIIrd year Coordinator** | Asist.Prof.Dr. Kamil İNCİ |
| **Clinical Skills Education (CSE) Coordinator** | Prof.Dr.Nurten İNAN |
| **Problem Based Learning (PBL) Coordinator** | Prof.Dr.Deniz KARÇALTINCABA |
| **Evidence Based Medicine (EBM) Coordinator** | Prof.Dr. Mehmet Ali ERGÜN |
| **Elective Course Coordinator** | Assoc.Prof.Dr.Ergin DİLEKÖZ |
| **Medical English** | Lecturer Elif KONAK BABAL |

**MEMBERS OF COURSE COMMITTEE**

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| **INTERNAL MEDICINE (Gastroenterology)** | | **INTERNAL MEDICINE (Medical**  **Oncology)** | **PEDIATRICS (Metabolism &**  **Nutrition)** | **PEDIATRICS (Gastroenterology & Hepatology)** | **MEDICAL MICROBIOLOGY** |
| Dr. Mehmet CİNDORUK-1  Dr.Çağdaş Kalkan-3 | Dr. Tarkan KARAKAN-5  Dr. Murat KEKİLLİ-8  Dr. Ali KARATAŞ-3 | Dr. Fatih GÜRLER-1 | Dr. Aslı İNCİ-1 | Dr. Ödül EĞRİTAŞ  GÜRKAN | Dr. Kayhan ÇAĞLAR-8  Dr. Meltem YALINAY-7  Dr. Ayşe KALKANCI-1  Dr. Funda DOĞRUMAN AL-2  Dr. Ayça E ŞAHİN-2 |
| **MEDICAL PATHOLOGY** | | **RADIOLOGY** | **MEDICAL**  **BIOCHEMISTRY** | **IMMUNOLOGY** | **MEDICAL**  **PHARMACOLOGY** |
| Dr. Gülen AKYOL-5  Dr.Özgür EKİNCİ-11 | | Dr. Emetullah Cindil-1  Dr. Halit Şendur-2 | Dr.Neslihan BUKAN-1  Dr.Aylin SEPİCİ DİNÇER-4 | Dr.Resul KARAKUŞ-1 | Dr.Süreyya BARUN  Dr.Ergin DİLEKÖZ |
| **GENERAL SURGERY** | | **PUBLIC HEALTH** | | **NUCLEAR MEDICINE** | |
| Dr.Ahmet Çağrı BÜYÜKKASAP-1 | | Dr. Cansu ÖZBAŞ-1 | | Dr. Ü. Özgür AKDEMİR-1 | |

**AIM AND LEARNING OBJECTIVES OF COURSE**

**Aim:** At the end of 26 days of committee course, the students are expected to be able to sort and recite the underlying mechanisms, pathology, biochemical mechanisms, symptomatology, clinical progress, laboratory findings and assessment, imaging findings, and, pharmacological approaches of gastrointestinal system and liver diseases, to be able to enumerate and evaluate the viral, parasitic and bacterial factors causing infections of this system, to be able to comprehend the importance of nutrition in the society and the basic concepts of nutrition.

**LEARNING OBJECTIVES:**

**Knowledge:**

1. To be able to define the terminology and symptomatology of gastrointestinal and hepatobiliary systems and nutrition

2. To be able to evaluate oral and salivary gland diseases, and define pathological basis.

3. To be able to explain the physiopathology of esophageal motor dysfunctions and reflux, describe the pathology and characteristics of diseases

4. To be able to describe the pathology and functional disorders of gastric diseases, recall the

mechanisms of action of drugs used in peptic ulcer.

5. To be able to comprehend the immunological basis of small and large intestine diseases, define pathological and radiological features.

6. To be able to know the approach to diseases with acute and persistent abdominal pain, manage the evaluation of radiological and pharmacological aspects.

7. To be able to define the pathology and symptomatology of liver, biliary tract and pancreatic

diseases, perform the biochemical and radiological assessments.

8. To be able to employ clinical approach to childhood liver diseases.

9. To be able to evaluate clinic and pathology of gastrointestinal system tumors.

10. To be able to define the importance of nutrition, its basic concepts, the prevalence of nutritional deficiencies and the factors affecting them

11. To be able to identify the laboratory techniques and diagnostic criteria for microorganisms that cause gastrointestinal system infections.

**Skills:**

1. To be able to perform the biochemical evaluation of hepatic functions and bilirubin metabolism, and interpret the findings.

2. To be able to practice laboratory diagnosis of the microorganisms (bacteria, viruses and parasites), that cause infections in gastrointestinal and hepatic system.

**Attitude:**

1. To be able to understand the importance of gastrointestinal system diseases, be aware of related symptoms and findings, exert diagnostic approach

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|  | **16.12.2024**  **Monday** | **17.12.2024**  **Tuesday** | **18.12.2024**  **Wednesday** | **19.12.2024**  **Thursday** | **20.12.2024**  **Friday** |
| **08:30-09:20** | Free Run-Time | Celiac disease and malabsorption syndromes  Dr. T. Karakan | **PHASE I**  **COURSE II**  **EXAM** | Bacterial agents of  the GI tract infection  3: Salmonella  Dr. A. E. Şahin | Free Run-Time |
| **09:30-10:20** | **Exam Analysis and Feedback**  **Year III Coordinator** | Etiopathogenesis of Gastrointestinal bleeding  Dr. M. Kekilli | Viral agents of the  GI tract infection  2: Reo, Rota virüs  Dr. A. E. Şahin | - Epidemiology of  Nutritional Diseases  Dr. Cansu ÖZBAŞ |
| **10:30-11:20** | Esophageal motor  function disorders  Dr. A. Karataş | The biochemistry of nutrition  Dr. N. Bukan | Bacterial agents of  the GI tract infection  4: Vibrio  Dr. K. Çağlar | **I**ntroduction to GIS  radiology and  radiology of  esophagus, stomach  and duodenum  Dr. H. Şendur |
| **11:30-12:20** | Gastroesophageal  reflux disease and  esophagitis  Dr. A. Karataş | Gastritis and peptic  Ulcer  Dr. Ç. Kalkan | Viral agents of  the GI tract  infection 1:  Norovirus and  other GIS viruses  Dr. K. Çağlar |  |
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| **13:30-14:20** | Pathology of  diseases of the  mouth and salivary glands  Dr. Ö. Ekinci | Pathology of  diseases of the  stomach  Dr. Ö. Ekinci | MEDICAL ENGLISH | Emetic and  antiemetic agents  Dr. S. Barun | Drugs used in  acid-peptic  diseases  Dr. S. Barun |
| **14:30-15:20** | Pathology of  diseases of the esophagus  Dr. Ö. Ekinci | Pathology of  diseases of the  stomach  Dr. Ö. Ekinci | MEDICAL ENGLISH | Pathology of  diseases of the  small intestine  Dr. Ö. Ekinci | Drugs used in  acid-peptic  diseases  Dr. S. Barun |
| **15:30-16:20** | Pathology of  diseases of the  mouth and salivary glands  Dr. Ö. Ekinci | Free Run-Time | ELECTIVE COURSE | Pathology of  diseases of the  small intestine  Dr. Ö. Ekinci | Free Run-Time |
| **16:30-17:20** | Free Run-Time | Free Run-Time | ELECTIVE COURSE | Free Run-Time | Free Run-Time |

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|  | **23.12.2024**  **Monday** | **24.12.2024**  **Tuesday** | **25.12.2024**  **Wednesday** | **26.12.2024**  **Thursday** | **27.12.2024**  **Friday** |
| **08:30-09:20** | Free Run-Time | Acute abdomen  Dr.Ç.  Büyükkasap | Emergency  Radiology of the  abdomen: The  acute abdomen  Dr. E. Cindil | Cirrhosis  T. Karakan | **LABORATORY**  **Medical Microbiology**  **Parasitic agents of the GI**  **tract**  Dr. F.Doğruman-Al |
| **09:30-10:20** | Parasitic agents  of the GI tract  infection  4: Nematodes  Dr. K. Çağlar | Parasitic  agents of the  GI tract  infection 5:  Trematodes  Dr. K. Çağlar | Irritable bowel syndrome  Dr. A. Karataş | Chronic abdominal pain  T. Karakan |
| **10:30-11:20** | Parasitic agents  of the GI tract  infection  4: Nematodes  Dr. K. Çağlar | Parasitic  agents of the  GI tract  infection 6:  Cestodes  Dr. K. Çağlar | Inflammatory bowel  Diseases  Dr. T. Karakan | Pathology of diseases  of the colon  Dr. Ö. Ekinci |
| **11:30-12:20** | Parasitic agents  of the GI tract  infection  4: Nematodes  Dr. K. Çağlar | Parasitic  agents of the  GI tract  infection 6:  Cestodes  Dr. K. Çağlar | Drug used in amebiasis and helminthic infections  Dr. E. Dileköz | Pathology of diseases  of the colon  Dr. Ö. Ekinci |
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| **13:30-14:20** | Parasitic agents of the  GI tract infection 1:  Amebae  Dr. Funda D. Al | Pathology of diseases  of the colon  Dr. Ö. Ekinci | MEDICAL ENGLISH | Antidiarrheal agents and laxatives  Dr. S. Barun | **LABORATORY**  **Medical Microbiology**  **Parasitic agents of the GI**  **tract**  Dr. F.Doğruman-Al |
| **14:30-15:20** | Parasitic agents of the GI  tract infection 2: Giardia,  Balantidium coli,  Cryptosporidium,  Blastocystis  Dr. A. Kalkancı | Pathology of diseases  of the colon  Dr. Ö. Ekinci | MEDICAL ENGLISH | Immunological  approaches to  inflammatory  diseases of the  gastrointestinal  tract  Dr. R. Karakuş |
| **15:30-16:20** | Parasitic agents of the  GI tract infection 3:  Isospora, Cyclospora,  Microsporidia  Dr. Funda D. Al | Hepatosteatosis  Dr. M. Kekilli | ELECTIVE COURSE | Radiology of the  small intestine and  colon  Dr. H. Şendur |
| **16:30-17:20** | Chronic  Pancreatitis  Dr. M. Kekilli | Acute pancreatitis  Dr. M. Kekilli | ELECTIVE COURSE | GIS and nuclear  Medicine  Dr. Ü. Ö. Akdemir |

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|  | **30.12.2024**  **Monday** | **31.12.2024**  **Tuesday** | **01.01.2025**  **Wednesday** | **02.01.2025**  **Thursday** | **03.01.2025**  **Friday** |
| **08:30-09:20** | PANEL  Bilirubin  metabolism and  hyperbilirubinemia  Dr. M. Kekilli  Dr. A. S. Dinçer | **PHASE II**  **COURSE II**  **EXAM** | HAPPY NEW YEAR | Gall bladder and  biliary tract  diseases  Dr. M.Cindoruk | **5I EXAMS** |
| **09:30-10:20** | Intra-extrahepatic  Cholestasis  Dr.T.Karakan |
| **10:30-11:20** | Liver, pancreas  and biliary  system tumors  Dr. F. Gürler | Nutrition  Dr. A. İnci |
| **11:30-12:20** | Acute liver failure  Dr. Ç.Kalkan | Chronic hepatitis  Dr. Ç. Kalkan |
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| **13:30-14:20** | Hepatosplenomegaly  in childhood  Dr. Ö. Eğritaş Gürkan | Free Run-Time | HAPPY NEW YEAR | Liver function tests  Dr. A. Sepici Dinçer | **PHASE II**  **COURSE II**  **EXAM** |
| **14:30-15:20** | Radiology of  the liver,  biliary tract and  pancreas  Dr. H. Şendur | Free Run-Time | Liver function tests  Dr. A. Sepici Dinçer |
| **15:30-16:20** | Free Run-Time | Free Run-Time | Free Run-Time |
| **16:30-17:20** | Free Run-Time | Free Run-Time | Free Run-Time |

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|  | **06.01.2025**  **Monday** | **07.01.2025**  **Tuesday** | **08.01.2025**  **Wednesday** | **09.01.2025**  **Thursday** | **10.01.2025**  **Friday** |
| **08:30-09:20** | **Abdominal Examination (CSE)** | **LABORATORY**  MedicalBiochemistry  Transaminases  Dr. A. Sepici | Bacterial agents of  the gastrointestinal  tract infection 1:  Enterobacteriaceae  Dr. M. Yalınay | Viruses of  Hepatitis  Dr.M. Yalınay | **LABORATORY**  **Medical Microbiology**  **Bacterial agents of**  **the GI tract**  Dr. M.Yalınay |
| **09:30-10:20** | **LABORATORY**  Medical Biochemistry  Transaminases  Dr. A. Sepici | Bacterial agents of the gastrointestinal  tract infection 1:  Enterobacteriaceae  Dr. M. Yalınay | Viruses of  Hepatitis  Dr.M. Yalınay |
| **10:30-11:20** | **LABORATORY**  MedicalBiochemistry  Transaminases  Dr. A. Sepici | Bacterial agents of  the GI tract infection  2: Shigella,  Campylobacter,  Helicobacter  Dr. M. Yalınay | Viruses of  Hepatitis  Dr.M. Yalınay |
| **11:30-12:20** | **LABORATORY**  Medical Biochemistry  Transaminases  Dr. A. Sepici | Pathology of  metabolic liver  disease  Dr. G. Akyol | Alcoholic hepatitis  Dr. Ç.Kalkan |
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| **13:30-14:20** | Free Run-Time | **LABORATORY**  Medical Biochemistry  Transaminases  Dr. A. Sepici | MEDICAL ENGLISH | Approach to the Pathology of Liver Diseases  Dr.G.Akyol | **LABORATORY**  **Medical Microbiology**  **Bacterial agents of**  **the GI tract**  Dr. M.Yalınay |
| **14:30-15:20** | Free Run-Time | **LABORATORY**  MedicalBiochemistry  Transaminases  Dr. A. Sepici | MEDICAL ENGLISH | Pathology of endstage  liver disease and liver failure  Dr. G. Akyol |
| **15:30-16:20** | Free Run-Time | **LABORATORY**  Medical Biochemistry  Transaminases  Dr. A. Sepici | ELECTIVE COURSE | Antiviral drugs  Dr. E. Dileköz |
| **16:30-17:20** | Free Run-Time | **LABORATORY**  MedicalBiochemistry  Transaminases  Dr. A. Sepici | ELECTIVE COURSE | Free Run-Time |

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|  | **13.01.2025**  **Monday** | **14.01.2025**  **Tuesday** | **15.01.2025**  **Wednesday** | **16.01.2025**  **Thursday** | **17.01.2025**  **Friday** |
| **08:30-09:20** | Free Run-Time | Free Run-Time | Free Run-Time | **Ist YEAR EXAM** | **III rd YEAR**  **COURSE IV**  **EXAM** |
| **09:30-10:20** | Free Run-Time | Free Run-Time | Free Run-Time |
| **10:30-11:20** | Free Run-Time | Free Run-Time | Free Run-Time |
| **11:30-12:20** | Free Run-Time | Free Run-Time | Free Run-Time |
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| **13:30-14:20** | Free Run-Time | Pathology of Pancreas, Gallbladder, and Liver Tumors  Dr.G.Akyol | MEDICAL ENGLISH | Free Run-Time | Free Run-Time |
| **14:30-15:20** | Modulation of Microbiota  Dr. M. Yalınay | Pathological Approach to Chronic Hepatitis  Dr.G.Akyol | MEDICAL ENGLISH | Free Run-Time | Free Run-Time |
| **15:30-16:20** | Pathology of  disease of exocrine  pancreas and  gallbladder  Dr.G.Akyol | Vascular Diseases of Liver  Dr.G.Akyol | ELECTIVE COURSE | Free Run-Time | Free Run-Time |
| **16:30-17:20** | Approach to Cholestatic Liver Diseases  Dr. G. Akyol | Free Run-Time | ELECTIVE COURSE | Free Run-Time | Free Run-Time |

**EXAM**

**January 17, 2025**

**09:30 AM**