



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

November 2nd, 2015 – January 8th, 2016

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| Coordinator of the Course 3.2 Assist. Prof., Mümtaz GÜRAN | Coordinator of the Module 3.2 Asist. Prof., Kerem TERALI |
| Coordinator of Multidisciplinary Students' Lab. Asist. Prof., Kerem TERALI | Coordinator of Clinical Skill Lab. Instructor., Berfu Çerçi ÖNGÜN |
| Coordinator of Assessment Unite Asist. Prof., Mümtaz GÜRAN, Assist. Prof. Dr. Mevhibe Hocaoğlu, Asist. Prof., Ayşe ÜLGEN, Asist. Prof., Kerem Teralı | Coordinator of ICS Res. LAB. Asist. Prof., Mevhibe Hocaoglu |
| 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) | Dean (MU) |

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, Assoc. Prof. 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
Ayşegül Karahasan, Professor of Microbiology
Berfu Çerçi Öngün, Instructor of Anatomy
Berrak Yeğen, Professor of Physiology
Betül Karademir, Assist. Prof. of Biochemistry

Hakan Akın, Assoc. Prof. of Gastroenterology
Hakan Akın, Assoc. Professor of Internal Medicine
İter Güney, Assist. Prof. of Medical Genetics
Kerem Teralı, Assist. Prof. of Biochemistry
Kıvılcım Karadeniz Cerit, Assist. Prof. of Pediatric Surgery
Leyla Cinel, Professor of Pathology
Medine Gülçebi İdriz, Instructor of Pharmacology
Mümtaz Güran, Assist. Prof. of Microbiology
Nahide Gökçora, Professor of Nuclear Medicine
Neşe İmeryüz, Profesör of Gastroenterology

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

Nurver Ülger, Assoc. Prof. of Microbiology
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
Pınar Ay, Assoc. Prof. 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

| Discipline | Lecture & Group Discussion | Multidisciplinary Lab. & Clinical Skills Lab. Practice | Total |
|---|---------------------------------------|---|--------------|
| Anatomy | 18 | 8 | 26 |
| Biochemistry | 22 | 4 | 26 |
| Biophysics | 3 | | 3 |
| Histology and Embryology | 8 | 6 | 14 |
| Family Medicine | 2 | | 2 |
| General Surgery | 1 | | 1 |
| Internal Medicine | 27 | | 27 |
| Microbiology | 10 | 4 | 14 |
| Nuclear Medicine | 1 | | 1 |
| Pathology | 20 | 4 | 24 |
| Pediatrics | 3 | | 3 |
| Pediatric Surgery | 1 | | 1 |
| Pharmacology | 3 | | 3 |
| Physiology | 18 | | 18 |
| Public Health | 3 | | 3 |
| Radiology | 2 | | 2 |
| Subtotal | 142 | 26 | 168 |
| PBL Module | 8 | | 8 |
| ICS-3: Basic Medical Practices, Clinical Skills Lab., Students Research Activity | 0 | 7 | 7 |
| Communication in Turkish-IV (Foreign Students) | 28 | | 28 |
| Medical Turkish Communication Skills (Foreign Students) | 12 | | |
| Elective Course | 24 | | |
| TOTAL | 214 | 33 | 247 |

| THEORETICAL AND PRACTICAL SESSIONS | | LECTURER/TUTOR |
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| Week-1 (November 02-06, 2015) | | |
| Monday | November 02 | |
| 08:40-09:30 | | |
| 09:40-10:30 | | |
| 10:40-11:30 | | |
| 11:40-12:30 | Introduction to the course and opening lecture | Dr. Alper Yıldırım |
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| 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 | STUDY TIME | |
| | | |
| Tuesday | November 03 | |
| 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 |
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| 13:40-14:30 | STUDY TIME | |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
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| Wednesday | November 04 | |
| 08:40-09:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 09:40-10:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 10:40-11:30 | Communication in Turkish-IV | Emine Özerinç |
| 11:40-12:30 | Communication in Turkish-IV | Emine Özerinç |
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| 13:40-14:30 | | |
| 14:40-15:30 | | |
| 15:40-16:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 16:40-17:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
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| Thursday | November 05 | |
| 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 |

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| 13:40-14:30 | Histology LAB: Upper digestive tract | Dr. Feriha Ercan |
| 14:40-15:30 | Histology LAB: Upper digestive tract | Dr. Feriha Ercan |
| 15:40-16:30 | Histology LAB: Lower digestive tract | Dr. Feriha Ercan |
| 16:40-17:30 | Histology LAB: Lower digestive tract | Dr. Feriha Ercan |
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| Friday | November 06 | |
| 08:40-09:30 | Communication in Turkish-IV | Emine Özerinç |
| 09:40-10:30 | Communication in Turkish-IV | Emine Özerinç |
| 10:40-11:30 | Anterior abdominal wall | Dr. Ümit Şehirli |
| 11:40-12:30 | Anterior abdominal wall | Dr. Ümit Şehirli |
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| 13:40-14:30 | Vessels of the abdomen | Dr. Ümit Şehirli |
| 14:40-15:30 | Vessels of the abdomen | Dr. Ümit Şehirli |
| 15:40-16:30 | Temporomandibular joint, muscles of mastication | Dr. Ümit Şehirli |
| 16:40-17:30 | Temporomandibular joint, muscles of mastication | Dr. Ümit Şehirli |
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| Week-2 (November 09-13, 2015) | | |
| Monday | November 09 | |
| 08:40-09:30 | Esophagus, stomach, duodenum and pancreas | Dr. Aymelek Yalın |
| 09:40-10:30 | Esophagus, stomach, duodenum and pancreas | Dr. Aymelek Yalın |
| 10:40-11:30 | Peritonum and omenta | Dr. Aymelek Yalın |
| 11:40-12:30 | Peritonum and omenta | Dr. Aymelek Yalın |
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| 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 | Anatomy LAB: Peritonum and Omenta-Group A | Dr.Aymelek Yalın, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | Anatomy LAB: Peritonum and Omenta-Group B | Dr.Aymelek Yalın, Dr. Berfu Çerçi Öngün |
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| Tuesday | November 10 | |
| 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 | Anatomy LAB: Small and large intestine, rectum and anal canal-Group A | Dr.Aymelek Yalın, Dr. Berfu Çerçi Öngün |
| 11:40-12:30 | Anatomy LAB: Small and large intestine, rectum and anal canal-Group B | Dr.Aymelek Yalın, Dr. Berfu Çerçi Öngün |
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| 13:40-14:30 | Rectum and anal canal | Dr. Aymelek Yalın |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
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| Wednesday | November 11 | |
| 08:40-09:30 | Genetics of gastrointestinal disorders | Dr. İlder Güney |
| 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 |
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| 13:40-14:30 | Anatomy LAB: Oral cavity, intraoral structures-Group A | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 14:40-15:30 | Anatomy LAB: Oral cavity, intraoral structures-Group B | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 15:40-16:30 | Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group A | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group B | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
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| Thursday | November 12 | |
| 08:40-09:30 | Liver, biliary and portal system | Dr. Ümit Şehirli |
| 09:40-10:30 | Liver, biliary and portal system | Dr. Ümit Şehirli |
| 10:40-11:30 | Anatomy LAB: Liver, biliary and portal system-Group A | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 11:40-12:30 | Anatomy LAB: Liver, biliary and portal system-Group B | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
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| 13:40-14:30 | Anatomy LAB: Anterior abdominal wall, inguinal canal-Group A | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 14:40-15:30 | Anatomy LAB: Anterior abdominal wall, inguinal canal-Group B | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 15:40-16:30 | Anatomy LAB: Vessels of the abdomen-Group A | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | Anatomy LAB: Vessels of the abdomen-Group B | Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün |
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| Friday | November 13 | |
| 08:40-09:30 | Communication in Turkish-IV | Emine Özerinç |
| 09:40-10:30 | Communication in Turkish-IV | Emine Özerinç |
| 10:40-11:30 | Communication in Turkish-IV | Emine Özerinç |
| 11:40-12:30 | Heat and temperature, heat transfer in the body | Dr. Pınar Mega Tiber |
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| 13:40-14:30 | Gastric digestion | Dr. Berrak Yeğen |
| 14:40-15:30 | Gastric digestion | Dr. Berrak Yeğen |
| 15:40-16:30 | Dyspepsia in primary care | Dr. Arzu Uzuner |
| 16:40-17:30 | Dyspepsia in primary care | Dr. Arzu Uzuner |
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| Week-3 (November 16-20, 2015) | | |
| Monday | November 16 | |
| 08:40-09:30 | Pharmacotherapy of gastrointestinal motility disorders | Dr. Ahmet Akıcı |
| 09:40-10:30 | Pharmacotherapy of gastrointestinal motility disorders | Dr. Ahmet Akıcı |

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| 10:40-11:30 | Histology of pancreas | Dr.Dilek Akakin |
| 11:40-12:30 | Histology of the liver and portal system | Dr.Dilek Akakin |
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| 13:40-14:30 | Histology LAB: Liver, pancreas and salivary glands | Dr.Dilek Akakin |
| 14:40-15:30 | Histology LAB: Liver, pancreas and salivary glands | Dr.Dilek Akakin |
| 15:40-16:30 | Development of digestive system | Dr.Dilek Akakin |
| 16:40-17:30 | Development of digestive system | Dr.Dilek Akakin |
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| Tuesday | November 17 | |
| 08:40-09:30 | Communication in Turkish-IV | Emine Özerinç |
| 09:40-10:30 | Communication in Turkish-IV | Emine Özerinç |
| 10:40-11:30 | STUDY TIME | |
| 11:40-12:30 | Exocrine functions of pancreas | Dr. Hızır Kurtel |
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| 13:40-14:30 | Exocrine functions of pancreas | Dr. Hızır Kurtel |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
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| Wednesday | November 18 | |
| 08:40-09:30 | The role of bile in the digestion | Dr. Hızır Kurtel |
| 09:40-10:30 | The role of bile in the digestion | Dr. Hızır Kurtel |
| 10:40-11:30 | Digestion in the small and large intestine | Dr. Hızır Kurtel |
| 11:40-12:30 | Functions of large intestine | Dr. Hızır Kurtel |
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| 13:40-14:30 | Functions of large intestine | Dr. Hızır Kurtel |
| 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 | | |
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| Thursday | November 19 | |
| 08:40-09:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 09:40-10:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 10:40-11:30 | | |
| 11:40-12:30 | Symptoms and signs of the gastrointestinal diseases | Dr. Adnan Giral |
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| 13:40-14:30 | Symptoms and signs of the gastrointestinal diseases | Dr. Adnan Giral |
| 14:40-15:30 | Gastroesophageal reflux disease | Dr. Adnan Giral |
| 15:40-16:30 | Peptic ulcer disease | Dr. Adnan Giral |
| 16:40-17:30 | Motility disorders of esophagus | Dr. Adnan Giral |
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| Friday | November 20 | |
| 08:40-09:30 | ICS-3: Polyclinic Visits-2 | Dr. Berfu Çerçi Öngün |

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| 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 |
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| 13:40-14:30 | Communication in Turkish-IV | Emine Özerinç |
| 14:40-15:30 | Communication in Turkish-IV | Emine Özerinç |
| 15:40-16:30 | Communication in Turkish-IV | Emine Özerinç |
| 16:40-17:30 | Communication in Turkish-IV | Emine Özerinç |
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| Week-4 (November 23-27, 2015) | | |
| Monday | November 23 | |
| 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 |
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| 13:40-14:30 | Metabolism of nucleotides | 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 | | |
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| Tuesday | November 24 | |
| 08:40-09:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 09:40-10:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 10:40-11:30 | Gastrointestinal absorption | Dr. Özgür Kasımay |
| 11:40-12:30 | Gastrointestinal absorption | Dr. Özgür Kasımay |
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| 13:40-14:30 | Physiological functions of vitamins | Dr. Özgür Kasımay |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
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| Wednesday | November 25 | |
| 08:40-09:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
| 09:40-10:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
| 10:40-11:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
| 11:40-12:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
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| 13:40-14:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
| 14:40-15:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |

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| 15:40-16:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | ICS-3: CSL: Abdomen session | Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün |
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| Thursday | November 26 | |
| 08:40-09:30 | Communication in Turkish-IV | Emine Özerinç |
| 09:40-10:30 | Communication in Turkish-IV | Emine Özerinç |
| 10:40-11:30 | Morphological patterns of hepatic injury and cirrhosis | Dr. Çiğdem Çelikel |
| 11:40-12:30 | Pathology of acute and chronic hepatitis | Dr. Çiğdem Çelikel |
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| 13:40-14:30 | Malabsorption syndromes, vascular disorders and diverticular disease | Dr. Çiğdem Çelikel |
| 14:40-15:30 | Pathology of cholestatic disorders | Dr. Çiğdem Çelikel |
| 15:40-16:30 | Inborn errors of metabolism | Dr. Çiğdem Çelikel |
| 16:40-17:30 | Pediatric liver disease | Dr. Çiğdem Çelikel |
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| Friday | November 27 | |
| 08:40-09:30 | Metabolic disorders of liver | Dr. Çiğdem Çelikel |
| 09:40-10:30 | Inflammatory bowel disease | Dr. Çiğdem Çelikel |
| 10:40-11:30 | Pathology LAB: Pathology of liver and gallbladder | Dr. Çiğdem Çelikel |
| 11:40-12:30 | Pathology LAB: Pathology of liver and gallbladder | Dr. Çiğdem Çelikel |
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| 13:40-14:30 | Pharmacotherapy in peptic ulcer disease | Dr. Medine Gülçebi İdriz Oğlu |
| 14:40-15:30 | Tumors of the small, large intestine and appendix | Dr. Çiğdem Çelikel |
| 15:40-16:30 | Communication in Turkish-IV | Emine Özerinç |
| 16:40-17:30 | Communication in Turkish-IV | Emine Özerinç |
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| Week-5 (November 30-December 04, 2015) | | |
| Monday | November 30 | |
| 08:40-09:30 | | |
| 09:40-10:30 | Diseases of the pancreas | Dr. Deniz Duman Güney |
| 10:40-11:30 | Viral hepatitis | Dr. Deniz Duman Güney |
| 11:40-12:30 | Viral hepatitis | Dr. Deniz Duman Güney |
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| 13:40-14:30 | Chronic hepatitis | Dr. Deniz Duman Güney |
| 14:40-15:30 | Alcoholic and non-alcoholic liver disease | Dr. Yusuf Yılmaz |
| 15:40-16:30 | PBL Module-1 | Dr. Yusuf Yılmaz, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | PBL Module-1 | Dr. Yusuf Yılmaz, Dr. Berfu Çerçi Öngün |
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| Tuesday | December 01 | |
| 08:40-09:30 | STUDY TIME | |
| 09:40-10:30 | STUDY TIME | |
| 10:40-11:30 | Epidemiology of gastrointestinal diseases | Dr. Neşe İmeryüz |

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| 11:40-12:30 | Malabsorption, maldigestion | Dr. Neşe İmeryüz |
| 13:40-14:30 | Tumors of the esophagus stomach and intestine | Dr. Neşe İmeryüz |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
| Wednesday | December 02 | |
| 08:40-09:30 | ICS-3: Polyclinic visits-3 | Dr. Berfu Çerçi Öngün |
| 09:40-10:30 | ICS-3: Polyclinic visits-3 | Dr. Berfu Çerçi Öngün |
| 10:40-11:30 | ICS-3: Polyclinic visits-3 | Dr. Berfu Çerçi Öngün |
| 11:40-12:30 | ICS-3: Polyclinic visits-3 | Dr. Berfu Çerçi Öngün |
| 13:40-14:30 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 14:40-15:30 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 15:40-16:30 | Proteins in the diet and nitrogen metabolism | Dr. Önder Şirikçi |
| 16:40-17:30 | Proteins in the diet and nitrogen metabolism | Dr. Önder Şirikçi |
| Thursday | December 03 | |
| 08:40-09:30 | Transport of digested compounds | Dr. Önder Şirikçi |
| 09:40-10:30 | Transport of digested compounds | Dr. Önder Şirikçi |
| 10:40-11:30 | Metabolism of aminoacids | Dr. Önder Şirikçi |
| 11:40-12:30 | Porphyrins and bile pigments | Dr. Önder Şirikçi |
| 13:40-14:30 | Porphyrins and bile pigments | Dr. Önder Şirikçi |
| 14:40-15:30 | PBL Module-2 | Dr. Önder Şirikçi, Dr. Berfu Çerçi Öngün |
| 15:40-16:30 | PBL Module-2 | Dr. Önder Şirikçi, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | | |
| Friday | December 04 | |
| 08:40-09:30 | Abdominal pain | Dr. Hakan Akın |
| 09:40-10:30 | Inflammatory bowel disease | Dr. Hakan Akın |
| 10:40-11:30 | Inflammatory bowel disease | Dr. Hakan Akın |
| 11:40-12:30 | Acute abdominal pain | Dr. Ömer Günel |
| 13:40-14:30 | Colon tumors | Dr. Hakan Akın |
| 14:40-15:30 | Mass lesions of the liver | Dr. Funda Eren |
| 15:40-16:30 | Mass lesions of the liver | Dr. Funda Eren |
| 16:40-17:30 | Pathology of oral cavity and salivary glands | Dr. Funda Eren |
| Week-6 (December 07-11, 2015) | | |
| Monday | December 07 | |

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| 08:40-09:30 | Infections due to Salmonella, Shigella and Yersinia | Dr. Nurver Ülger |
| 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 |
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| 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 | PBL Module-3 | Dr. Osman Cavit Özdoğan, Dr. Berfu Çerçi Öngün |
| 16:40-17:30 | PBL Module-3 | Dr. Osman Cavit Özdoğan, Dr. Berfu Çerçi Öngün |
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| Tuesday | December 08 | |
| 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 |
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| 13:40-14:30 | Jaundice | Dr. Ramazan Kurt |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
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| Wednesday | December 09 | |
| 08:40-09:30 | STUDY TIME | |
| 09:40-10:30 | Infections due to intestinal protozoa | Dr. Nurver Ülger |
| 10:40-11:30 | Metabolism of inorganic compounds | Dr. Betül Karademir |
| 11:40-12:30 | Detoxification mechanisms | Dr. Betül Karademir |
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| 13:40-14:30 | Biochemistry LAB: Transamination | Dr. Saime Batirel |
| 14:40-15:30 | Biochemistry LAB: Transamination | Dr. Saime Batirel |
| 15:40-16:30 | Biochemistry LAB: Transamination | Dr. Saime Batirel |
| 16:40-17:30 | Biochemistry LAB: Transamination | Dr. Saime Batirel |
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| Thursday | December 10 | |
| 08:40-09:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 09:40-10:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 10:40-11:30 | Pathology of gastritis and peptic ulcer disease | Dr. Leyla Cinel |
| 11:40-12:30 | Neoplastic diseases of stomach | Dr. Leyla Cinel |
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| 13:40-14:30 | STUDY TIME | |
| 14:40-15:30 | STUDY TIME | |
| 15:40-16:30 | PBL Module-4 | Dr. Kerem Teralı, Dr. Berfu Çerçi Öngün |

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| 16:40-17:30 | PBL Module-4 | Dr. Kerem Teralı, Dr. Berfu Çerçi Öngün |
| Friday | December 11 | |
| 08:40-09:30 | STUDY TIME | |
| 09:40-10:30 | Food poisoning | Dr. Nurver Ülger |
| 10:40-11:30 | STUDY TIME | |
| 11:40-12:30 | Regulation of temperature in the body, temperature transducers and thermography | Dr. Cevdet Nacar |
| 13:40-14:30 | Application of heat and cold in medicine and human metabolism: energy work and power of body | Dr. Cevdet Nacar |
| 14:40-15:30 | Acute abdominal pain in children | Dr. Kıvılcım Karadeniz Cerit |
| 15:40-16:30 | Communication in Turkish-IV | Emine Özerinç |
| 16:40-17:30 | Communication in Turkish-IV | Emine Özerinç |
| Week-7 (December 14-18, 2015) | | |
| Monday | December 14 | |
| 08:40-09:30 | Communication in Turkish-IV | Emine Özerinç |
| 09:40-10:30 | Communication in Turkish-IV | Emine Özerinç |
| 10:40-11:30 | Communication in Turkish-IV | Emine Özerinç |
| 11:40-12:30 | Other viral infectious diseases of the liver | Dr. Emine Bozkurtlar |
| 13:40-14:30 | Drug and toxin induced liver disease | Dr. Emine Bozkurtlar |
| 14:40-15:30 | Pathology LAB: Upper GI tract pathology-Group A | Dr. Emine Bozkurtlar |
| 15:40-16:30 | Pathology LAB: Upper GI tract pathology-Group B | Dr. Emine Bozkurtlar |
| 16:40-17:30 | | |
| Tuesday | December 15 | |
| 08:40-09:30 | STUDY TIME | |
| 09:40-10:30 | Communication in Turkish-IV | Emine Özerinç |
| 10:40-11:30 | Communication in Turkish-IV | Emine Özerinç |
| 11:40-12:30 | Epidemiology and laboratory diagnosis of viral hepatitis | Dr. Güner Söyledir |
| 13:40-14:30 | Epidemiology and laboratory diagnosis of viral hepatitis | Dr. Güner Söyledir |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
| Wednesday | December 16 | |
| 08:40-09:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 09:40-10:30 | Medical Turkish Communication Skills | Ayşe Kozansoy |
| 10:40-11:30 | Infectious enterocolitis | Dr. Pelin Bağcı |
| 11:40-12:30 | Pathology of esophagus | Dr. Pelin Bağcı |

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| 13:40-14:30 | Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract | Dr. Pelin Bağcı |
| 14:40-15:30 | Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract | Dr. Pelin Bağcı |
| 15:40-16:30 | Pathology LAB: Lower GI tract pathology-Group A | Dr. Pelin Bağcı |
| 16:40-17:30 | Pathology LAB: Lower GI tract pathology-Group B | Dr. Pelin Bağcı |
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| Thursday | December 17 | |
| 08:40-09:30 | Approach to the mass lesions of liver | Dr. Yeşim Alahdab |
| 09:40-10:30 | Autoimmune diseases of the liver | Dr. Yeşim Alahdab |
| 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 |
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| 13:40-14:30 | Radiology of the gastrointestinal tract | Dr. Rabia Ergelen |
| 14:40-15:30 | Radiology of the gastrointestinal tract | Dr. Rabia Ergelen |
| 15:40-16:30 | Food additives | Dr. Emel Lüleci |
| 16:40-17:30 | STUDY TIME | |
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| Friday | December 18 | |
| 08:40-09:30 | | |
| 09:40-10:30 | Gastrointestinal system infections due to Escherichia coli | Dr. Ayşegül Karahasan |
| 10:40-11:30 | Infections due to vibrio cholerae and campylobacter species | Dr. Ayşegül Karahasan |
| 11:40-12:30 | Helminth infections and echinococcosis | Dr. Ayşegül Karahasan |
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| 13:40-14:30 | Microbiological approach to the patient with diarrhea | Dr. Ayşegül Karahasan |
| 14:40-15:30 | Communication in Turkish-IV | Emine Özerinç |
| 15:40-16:30 | Communication in Turkish-IV | Emine Özerinç |
| 16:40-17:30 | Hepatobiliary scintigraphy | Dr. Nahide Gökçora |
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| Week-8 (December 21-25, 2015) | | |
| Monday | December 21 | |
| 08:40-09:30 | STUDY TIME | |
| 09:40-10:30 | Epidemiology of food and waterborne disease | Dr. Pınar Ay |
| 10:40-11:30 | Epidemiology of zoonotic disease | Dr. Pınar Ay |
| 11:40-12:30 | Communication in Turkish-IV | Emine Özerinç |
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| 13:40-14:30 | Communication in Turkish-IV | Emine Özerinç |
| 14:40-15:30 | Viral gastroenteritis | Dr. Ufuk Hasdemir |
| 15:40-16:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections | Dr. Ufuk Hasdemir, Dr. Mümtaz Güran |
| 16:40-17:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections | Dr. Ufuk Hasdemir, Dr. Mümtaz Güran |
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| Tuesday | December 22 | |

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| 08:40-09:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections | Dr. Ufuk Hasdemir, Dr. Mümtaz Güran |
| 09:40-10:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections | Dr. Ufuk Hasdemir, Dr. Mümtaz Güran |
| 10:40-11:30 | Gastroenteritis/Dehydration and oral rehydration | Dr. Deniz Ertem |
| 11:40-12:30 | Malabsorption and maldigestion in children | Dr. Deniz Ertem |
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| 13:40-14:30 | Nutritional assessment: Degree of malnutrition | Dr. Deniz Ertem |
| 14:40-15:30 | Elective Course | |
| 15:40-16:30 | Elective Course | |
| 16:40-17:30 | Elective Course | |
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| Wednesday | December 23 | |
| 08:40-09:30 | 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 | | |
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| 16:40-17:30 | | |
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| Thursday | December 24 | |
| 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 | STUDY TIME | |
| 14:40-15:30 | STUDY TIME | |
| 15:40-16:30 | STUDY TIME | |
| 16:40-17:30 | STUDY TIME | |
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| Friday | December 25 | |
| 08:40-09:30 | 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 | | |

| Week-9 (December 28, 2015-January 01, 2016) | | |
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| Monday | December 28 | |
| 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 | STUDY TIME | |
| 14:40-15:30 | STUDY TIME | |
| 15:40-16:30 | STUDY TIME | |
| 16:40-17:30 | STUDY TIME | |
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| Tuesday | December 29 | |
| 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 | STUDY TIME | |
| 14:40-15:30 | STUDY TIME | |
| 15:40-16:30 | STUDY TIME | |
| 16:40-17:30 | STUDY TIME | |
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| Wednesday | December 30 | |
| 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 | STUDY TIME | |
| 14:40-15:30 | STUDY TIME | |
| 15:40-16:30 | STUDY TIME | |
| 16:40-17:30 | STUDY TIME | |
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| Thursday | December 31 | |
| 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 | STUDY TIME | |
| 14:40-15:30 | STUDY TIME | |

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| 15:40-16:30 | STUDY TIME | |
| 16:40-17:30 | STUDY TIME | |
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| Friday | January 01 | |
| 08:40-09:30 | HOLIDAY | |
| 09:40-10:30 | | |
| 10:40-11:30 | | |
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| 13:40-14:30 | | |
| 14:40-15:30 | | |
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| 16:40-17:30 | | |
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| Week-10 (January 04-08, 2016) | | |
| Monday | January 04 | |
| 08:40-09:30 | PRACTICAL EXAM | |
| 09:40-10:30 | | |
| 10:40-11:30 | | |
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| 13:40-14:30 | | |
| 14:40-15:30 | | |
| 15:40-16:30 | | |
| 16:40-17:30 | | |
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| Tuesday | January 05 | |
| 08:40-09:30 | PRACTICAL EXAM | |
| 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 | | |
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| Wednesday | January 06 | |
| 08:40-09:30 | | |
| 09:40-10:30 | | |
| 10:40-11:30 | | |
| 11:40-12:30 | | |
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| 13:40-14:30 | | |
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| 16:40-17:30 | | |
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| Thursday | January 07 | |
| 08:40-09:30 | | |
| 09:40-10:30 | | |
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| 13:40-14:30 | | |
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| 16:40-17:30 | | |
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| Friday | January 08 | |
| 08:40-09:30 | THEORETICAL EXAM | |
| 09:40-10:30 | | |
| 10:40-11:30 | | |
| 11:40-12:30 | | |
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| 13:40-14:30 | | |
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