

COURSE INFORMATION					
Course Title	Code	Phase/Semester	L+P Hour	Credits	ECTS
Introduction to Clinical Sciences	MED 302		-	-	53

Prerequisites	Phase 2 / Semester 1-2				
	MED	203	Basic Medical Sciences		
	MED	202	Introduction to Clinical Practice II		

Language of Instruction	English
Course Level	First Cycle, (Bachelor of Science), Undergraduate, Directive 2005/36/EC; "Regulated Profession" (Exempt from EQF Level Scheme)
Course Type	Compulsory Professional (Knowledge and Skills: physiopathological processes, pathological processes; introduction to clinical practice-advanced clinical skills)
Course Coordinators	<p style="text-align: center;">COORDINATION COMMITTEE (TEACHING YEAR 2019 – 2020)</p> <p style="text-align: center;">Hale ARIK TAŞYIKAN, MD, Assist. Prof. (Coordinator) Hasan AYDIN, MD, Prof. (Co-coordinator) Erdem SÖZTUTAR, MD, Assist. Prof. (Co-coordinator) Emine Nur ÖZDAMAR, Assist. Prof. (Co-coordinator) Arzu YALÇIN, Assist. Prof. (Co-coordinator)</p> <p style="text-align: center;">ICP-II COORDINATION COMMITTEE</p> <p style="text-align: center;">Özlem TANRIÖVER, MD MPH Prof. A. Arzu AKALIN, MD Assist. Prof. (Co-Coordinator)</p> <p style="text-align: center;">COMMITTEE COORDINATION</p> <p style="text-align: center;">COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM</p> <p style="text-align: center;">Coordination Committee HEAD Meral Sönmezoğlu, MD, Prof. SECRETARY Ayşegül Kuşkucu, MD, Assist. Prof. MEMBER Ece Genç, PhD, Prof. MEMBER Ferda Özkan, MD, Prof. MEMBER Atilla Özkan, MD, Assoc. Prof.</p>
Instructors	<p style="text-align: center;">COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS</p> <p style="text-align: center;">Coordination Committee HEAD Ferda Özkan, MD, Prof. SECRETARY Banu Musaffa Salepçi, Assoc. Prof. MEMBER Müzeyyen Doğan, MD, Assoc. Prof. MEMBER Mustafa Aytek Şimşek, MD, Assist. Prof. MEMBER Emine Nur Özdamar, MD, Assist. Prof.</p> <p style="text-align: center;">COMMITTEE III - GASTROINTESTINAL SYSTEM</p> <p style="text-align: center;">Coordination Committee HEAD Meltem Ergün, MD, Assoc. Prof. SECRETARY Barış Murat Ayyacı, MD, Assist. Prof. MEMBER Ferda Özkan, MD, Prof. MEMBER Şafak Karaçay, MD, Assoc. Prof.</p>

MEMBER Emine Nur Özdamar, MD, Assist. Prof.

COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS

Coordination Committee

HEAD Hasan Aydın, MD, Prof.

SECRETARY Oya Alagöz, MD, Assist. Prof.

MEMBER Gülçin Kantarcı, MD, Prof.

MEMBER Rukset Attar, MD, Prof.

MEMBER Erdem Söztutar, MD, Assist. Prof.

COMMITTEE V - NERVOUS SYSTEM AND PSYCHIATRY

Coordination Committee

HEAD N. Berfu Akbaş, MD, Assoc. Prof.

SECRETARY Hakan Şilek, MD, Assist. Prof.

MEMBER C. Kaan Yaltırık, MD, Assist. Prof.

MEMBER Okan Taycan, MD, Assoc. Prof.

MEMBER Erdem Söztutar, MD, Assist. Prof.

COMMITTEE VI - MUSCULOSKELETAL SYSTEM

Coordination Committee

HEAD Müge Bıçakçığıl Kalaycı, MD, Assoc. Prof.

SECRETARY Onur Kocadal, MD, Assist. Prof.

MEMBER Gökhan Meriç, MD, Assoc. Prof.

MEMBER Özgür Ortancıl, MD, Prof.

MEMBER Pınar Tura, MD, Assist. Prof.

Course Components:

COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM

INFECTIOUS DISEASES

Meral Sönmezoğlu, MD, Prof.

Çağrı Büke, MD, Prof.

MEDICAL MICROBIOLOGY

İ. Çağatay Acuner, MD, Assoc. Prof.

PHARMACOLOGY

Ece Genç, PhD, Prof.

Emine Nur Özdamar, MD, Assist. Prof.

PATHOLOGY

Aydın Sav, MD, Prof.

Şevket Ruacan, MD, Prof.

HEMATOLOGY

Atilla Özkan, MD, Assoc. Prof.

PEDIATRICS

Sabri Kemahlı, MD, Prof.

S. Perihan Saf, MD

PUBLIC HEALTH

Erol Sezer, MD, Prof.

Hale Arık Taşyikan, MD, Assist. Prof.

PATHOPHYSIOLOGY

Mehtap Kaçar, MD, Assoc. Prof.

BIOMEDICAL ETHICS & DEONTOLOGY

Elif Vatanoğlu Lutz, Assoc. Prof.

FAMILY MEDICINE

Güldal İzbirak, MD, Assoc. Prof.

EMERGENCY MEDICINE

Mustafa Ferudun Çelikmen, MD, Assist. Prof.

BIOSTATISTICS

Çiğdem Altunok, PhD, Assist. Prof.

MEDICAL GENETICS

Ayşegül Çınar Kuşkucu, MD, Assist. Prof.

PHYTOTHERAPY

Erdem Yeşilada, PhD, Prof.

M. Engin Celep, PhD, Assist. Prof.

ONCOLOGY

Okan Kuzhan, MD, Prof.

IMMUNOLOGY

Gülderen Yanıkkaya Demirel, MD, PhD, Prof.

SCIENTIFIC RESEARCH and PROJECT COURSE-III

Bayram Yılmaz, PhD, Prof.

Hale Arık Taşyikan, MD, Assist Prof.

INTRODUCTION TO CLINICAL PRACTICE- II

Özlem TANRIÖVER, MD, MPH, Prof.

A. Arzu AKALIN, MD, Assist. Prof.

Serdar ÖZDEMİR, MD, PhD, Assist. Prof.

COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS

PHARMACOLOGY

Ece Genç, PhD, Prof.

Emine Nur Özdamar, MD, Asst. Prof.

PATHOLOGY

Aydın Sav, MD, Prof.

Ferda Özkan, MD, Prof.

CHEST MEDICINE

Emine Sevda Özdoğan, MD, Prof.

Banu Musaffa Salepçi, MD, Assoc. Prof.

CARDIOLOGY

Muzaffer Değertekin, MD, Prof.

Olca Özveren, MD, Assoc. Prof.

Kartal Emre Aslanger MD, Assoc. Prof.

AyçaTürer Cabbar, MD, Assist. Prof.

Mustafa Aytek Şimşek, MD, Assist. Prof.

Burak Hünük ,MD, Assist. Prof.

PUBLIC HEALTH

Recep Erol Sezer, MD, Prof.

Hale Arık Taşyikan, MD, Assist. Prof.

BIOMEDICAL ETHICS & DEONTOLOGY

Elif Vatanoglu Lutz, MD, Assoc. Prof.

PATHOPHYSIOLOGY

Mehtap Kaçar, MD, Assoc. Prof.

INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY

Meral Sönmezoğlu, MD, Prof.

A. Çağrı Büke, MD, Prof

EAR- NOSE -THROAT (ENT)

Yavuz Selim Pata, MD, Prof.

Müzeyyen Doğan, MD, Assoc. Prof.

THORACIC SURGERY

Sina Ercan, MD, Prof.

FAMILY MEDICINE

Güldal İzbirak, MD, Assoc.Prof.

Özlem Tanrıöver, MD, Prof.

PEDIATRICS

Hülya Sarıçoban, MD, Assoc. Prof.

Fatma Tuba Coşkun, MD

MEDICAL GENETICS

Ayşegül Çınar Kuşkucu, MD, Asst. Prof.

RADIOLOGY

Ayşegül Görmez, MD.

EMERGENCY MEDICINE

Merve Ekşioğlu, MD.

Mustafa Yazıcıoğlu, MD, Assist. Prof.

BIOSTATISTICS

Çiğdem Altunok, PhD, Assist. Prof

IMMUNOLOGY

Gülderen Yanıkkaya Demirel, MD, PhD, Prof.

SCIENTIFIC RESEARCH and PROJECT COURSE-III

Bayram Yılmaz, PhD, Prof.

Hale Arık Taşyikan, MD, Assist Prof.

COMMITTEE III - GASTROINTESTINAL SYSTEM

GASTROENTEROHEPATOLOGY

Cengiz Pata, MD, Prof.

Meltem Ergün, MD, Assoc. Prof.

PATHOLOGY

Aydın Sav, MD, Prof.

Ferda Özkan, MD, Prof.

PHARMACOLOGY

Ece Genç, PhD, Prof.

Emine Nur Özdamar, MD, Assist. Prof

PUBLIC HEALTH

Erol Sezer, MD, Prof

Hale Arık Taşyikan, MD, Assist. Prof

BIOMEDICAL ETHICS & DEONTOLOGY

Elif Vatanoğlu Lutz, MD, Assoc. Prof.

INFECTIOUS DISEASES AND MEDICAL MICROBIOLOGY

Meral Sönmezoğlu, MD, Prof.

A. Çağrı Büke, MD, Prof.

PATHOPHYSIOLOGY

Mehtap Kaçar, MD, Assoc. Prof.

PHYTOTHERAPY

Erdem Yeşilada, PhD, Prof.

M. Engin CELEP, PhD, Assist. Prof

FAMILY MEDICINE

Güldal İzbırak, MD, Assoc.Prof.

Özlem Tanrıöver, MD, Prof.

BIOSTATISTICS

Çiğdem Altunok, PhD, Assist. Prof.

MEDICAL GENETICS

Ayşegül Çınar Kuşkucu, MD, Assist. Prof.

EMERGENCY MEDICINE

Sezgin Sarıkaya, MD, Assoc. Prof.

Barış Murat Ayvaci, MD, Assist. Prof.

PEDIATRICS

Meltem Uğraş, MD, Prof.

PEDIATRIC SURGERY

Şafak Karaçay, MD, Assoc.Prof.

GENERAL SURGERY

Gürkan Tellioğlu, MD, Prof.

RADIOLOGY

Serpil Kurtcan, MD

IMMUNOLOGY

Gülderen Yanıkkaya Demirel, MD, PhD, Prof.

SCIENTIFIC RESEARCH and PROJECT COURSE-III

Bayram Yılmaz, PhD, Prof.

Hale Arık Taşyikan, MD, Assist Prof.

COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS

PATHOLOGY

Aydın Sav, MD, Prof.

Ferda Özkan, MD, Prof.

OBSTETRICS and GYNECOLOGY

Orhan Ünal, MD, Prof.

Selçuk Özden, MD, Prof.

Rukset Attar, MD, Prof.
Gazi Yıldırım, MD, Prof.
ENDOCRINOLOGY
Hasan Aydın, MD, Prof.
PHARMACOLOGY
Ece Genç, PhD, Prof.
Emine Nur Özdamar, MD, Assist. Prof.
MEDICAL GENETICS
Ayşegül Çınar Kuşkucu, MD, Assist. Prof.
INFECTIOUS DISEASES
Meral Sönmezoğlu, MD Prof.
A.Çağrı Büke, MD, Prof.
MEDICAL MICROBIOLOGY
İ. Çağatay Acuner, MD, Assoc. Prof.
PATHOPHYSIOLOGY
Mehtap Kaçar, MD, Assoc. Prof.
BIOMEDICAL ETHICS&DEONTOLOGY
Elif Vatanoğlu Lutz, MD, PhD, Assoc. Prof.
PUBLIC HEALTH
Recep Erol Sezer, MD, Prof.
Hale Arık Taşyikan, MD, Assist. Prof.
FAMILY MEDICINE
Özlem Tanrıöver, MD, Prof.
Ayşe Arzu Akalın, MD, Assist. Prof.
PEDIATRICS
Mustafa Berber, MD, Assist. Prof.
Fatma Tuba Coşkun, MD
Belma Haliloğlu, MD, Assoc. Prof.
Çiğdem Ayanoğlu, MD.
BIOSTATISTICS
Çiğdem Altunok, PhD, Assist. Prof.
RADIOLOGY
Özgür Sarıca, MD.
PHYTOTHERAPY
Erdem Yeşilada, MD, Prof.
M. Engin Celep, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY
Oya Alagöz, MD, Assist. Prof.
NEPHROLOGY
Gülçin Kantarcı, MD, Prof.
Dilek Barutçu Ataş, MD, Assist. Prof.
UROLOGY
Faruk Yencilek, MD, Prof.
Murat Kuru, MD.
PEDIATRIC SURGERY
Şafak Karaçay, MD, Assoc. Prof.
GENERAL SURGERY
Gürkan Tellioğlu, MD, Prof.
EMERGENCY MEDICINE
Emin Gökhan Gencer, MD, Assist. Prof.
IMMUNOLOGY
Gülderen Yanıkkaya Demirel, MD, PhD, Prof.
SCIENTIFIC RESEARCH and PROJECT COURSE-III
Bayram Yılmaz, PhD, Prof.
Hale Arık Taşyikan, MD, Assist. Prof.

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY**NEUROLOGY**

Berrin Aktekin, MD, Prof.
Burcu Örmeci, MD, Assoc. Prof.
Halide Rengin Bilgen, MD
Hakan Şilek, MD

PSYCHIATRY

N. Berfu Akbaş, MD, Assoc. Prof.
Okan Taycan, MD, Assoc. Prof.

CHILD PSYCHIATRY

Oğuzhan Zahmacıoğlu, MD, Assist. Prof

NEUROSURGERY

M.Gazi Yaşargil, MD, Prof.
Uğur Türe, MD, Prof.
Volkan Harput, MD, Assist. Prof.
C. Kaan Yaltırık, MD, Assist. Prof.

PATHOLOGY

Aydın Sav, MD, Prof.

PATHOPHYSIOLOGY

Mehtap Kaçar, MD, Assoc. Prof.

PHARMACOLOGY

Ece Genç, PhD, Prof.
Emine Nur Özdamar, MD, Assist. Prof.

PEDIATRICS

Mustafa Berber, MD, Assist. Prof.

PUBLIC HEALTH

Recep Erol Sezer, MD, Prof.

FAMILY MEDICINE

Güldal İzbirak, MD, Assoc. Prof.
Özlem Tanrıöver, MD, Prof.

RADIOLOGY

O.Melih Topçuoğlu, MD, Assoc. Prof.

MEDICAL GENETICS

Ayşegül Çınar Kuşkucu, MD, Assist. Prof.

INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY

Meral Sönmezoğlu, MD, Prof.

OPHTALMOLOGY

Vildan Öztürk, MD, Assist. Prof.

BIostatISTICS

Çiğdem Altunok, PhD, Assist. Prof.

EMERGENCY MEDICINE

Cem Şimşek, MD, Assist. Prof.

IMMUNOLOGY

Gülderen Yanıkkaya Demirel, MD, PhD, Prof.

SCIENTIFIC RESEARCH and PROJECT COURSE-III

Bayram Yılmaz, PhD, Prof.

Hale Arık Taşyikan, MD, Assist Prof.

COMMITTEE VI - MUSCULOSKELETAL SYSTEM**ORTHOPAEDICS & TRAUMATOLOGY**

Faik Altıntaş, MD, Prof.
Turhan Özler, MD, Assoc. Prof.
Gökhan Meriç, MD, Assoc. Prof.
Hakan Turan Çift, MD, Assoc. Prof.
Onur Kocadal, MD, Assist. Prof.
Burak Çağrı Aksu, MD, Assist. Prof.

PHYSICAL MEDICINE AND REHABILITATION

Özgür Ortancıl, MD, Prof.

RHEUMATOLOGY

	<p>Müge Bıçakçıl Kalaycı, MD, Assoc. Prof PATHOLOGY Aydın Sav, MD, Prof. Ferda Özkan, MD, Prof. PATHOPHYSIOLOGY Mehtap Kaçar, MD, Assoc. Prof. PHARMACOLOGY Ece Genç, PhD, Prof. Emine Nur Özdamar, MD, Assist. Prof IMMUNOLOGY Gülderen Yanıkkaya Demirel, MD, PhD, Prof. PUBLIC HEALTH Recep Erol Sezer, MD, Prof Hale Arık Taşyikan, MD, Assist. Prof MEDICAL GENETICS Ayşegül Çınar Kuşkucu, MD, Assist. Prof. RADIOLOGY Neslihan Taşdelen, MD, Assoc. Prof. EMERGENCY MEDICINE Sezgin Sarıkaya, MD, Assoc. Prof Pınar Tura, MD, Assist. Prof. BIOSTATISTICS Çiğdem Altunok, PhD, Assist. Prof. SCIENTIFIC RESEARCH and PROJECT COURSE-III Bayram Yılmaz, PhD, Prof. Hale Arık Taşyikan, MD, Assist Prof.</p>
Assistants	<p>Selvi Duman, Biologist, M.Sc., Laboratory Technician Yasin Delibaş, Laboratory Technician</p>
Goals	<p>In evidence based manner: 1. to remind anatomy, histology and physiology of body systems, 2. to convey necessary knowledge, related to body systems, on prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions. 3. at multi-system level or related to a body system, for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency; 3.1. to convey necessary knowledge on risk factors, etiopathogenesis, physiopathology, and pathology, 3.2. to convey knowledge on epidemiology, 3.3. to convey knowledge on frequently encountered clinical complaints, symptoms, signs and findings, 3.4. to convey necessary knowledge on health care processes, clinical decision making process, clinical decisions and clinical practices, with performance measures, for managing at the level of 7primary health care service, 4. to convey knowledge on pharmacology of drugs that are effective at multi-system level, specifically on a body system or on clinical conditions involving a specific body system, 5. to convey knowledge on phytotherapeutic agents that are effective at multi-system level, specifically on a body system or on clinical conditions involving a specific body system, 6. to convey knowledge on biostatistical analysis, 7. to convey basic legal and ethical principles that should be followed in practice of medical profession, 8. to equip with basic and advanced professional and clinical (interventional or non-interventional) skills necessary for practice of medical profession.</p>
Content	<p>Course Components: COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS COMMITTEE III - GASTROINTESTINAL SYSTEM COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY COMMITTEE VI - MUSCULOSKELETAL SYSTEM</p>

Learning Outcomes Graduate should be able to	Program Outcomes	Teaching Methods	Assessment Methods
1.0. explain basic medical knowledge for cardiovascular system, respiratory system, circulation, hemodynamics, urogenital system, gastrointestinal system, nervous system, endocrine system, immune system and immunologic response, biostatistics subjects.	1	1, 6	A
2.0. explain the operational principles, interactions and relation of the systems in the body.	1	1, 6	A
3.0. of clinical conditions; 3.1. explain mechanisms of damages formed at molecular, cell, tissue, organ, system and multi-system level, 3.2. describe the structural changes caused, 3.3. list developmental progress in time.	1	1, 6	A
4.0. Among factors that pose risk –to individual and community health; 4.1. list biological agents, 4.2. explain their mechanisms of action and outcomes.	1	1, 6	A
5.0. explain basic principles of evidence-based medicine applications.	1	1, 6	A
6.0. describe writing, reporting, presentation and submission to publication phases of a research project.	1	1, 6	A

Teaching/Learning Methods:	<ul style="list-style-type: none"> • CONTACT HOURS (CH) 1. Theoretical-Class/Auditorium/Conference Hall/Multimedia <ul style="list-style-type: none"> 1.1. Lecture/Tutorial 1.2. Case report 1.3. Case presentation 1.4. Research seminar 1.5. Seminar 1.6. Student seminar/Journal club 1.7. Invited speaker 1.8. Hospital conference 1.9. Online/Distance or e-learning (paper based or ICT based) 1.10. Other: 2. Theoretical-Group Activity/Interactive <ul style="list-style-type: none"> 2.1. Case discussion 2.2. Discussion class 2.3. Small group study session/Problem solving session/Brainstorm session 2.4. Exercise class 2.5. Oral presentation and criticism 2.6. Panel
----------------------------	---

	2.7. Workshop 2.8. Online/Distance or e-learning (paper based or ICT based) 2.9. Other:
3.	Practice Based-Laboratory/Class 3.1. Demonstration class 3.2. Laboratory teaching 3.3. Clinical skills laboratory 3.4. Small group study session/Problem solving session 3.5. Exercise class 3.6. Workshop (practical class) 3.7. Other:
4.	Clerkship (Clinical practice and training) 4.1. Field study/Fieldwork 4.2. Outpatient clinic 4.3. Patient bedside 4.4. Imaging round 4.5. Laboratory round 4.6. Work based practice 4.7. Grand round 4.8. Operating room 4.9. Invasive Intervention room 4.10. Night shift at ward 4.11. Night shift at intensive care unit 4.12. Night shift at emergency care unit 4.13. Other:
5.	Work placement/Internship (Clinical performance under supervision) 5.1. Field study/Fieldwork 5.2. Outpatient clinic 5.3. Patient bedside 5.4. Imaging round 5.5. Laboratory round 5.6. Work based practice 5.7. Grand round 5.8. Operating room 5.9. Invasive intervention room 5.10. Night shift at ward 5.11. Night shift at intensive care unit 5.12. Night shift at emergency care unit 5.13. Other:
	• INDEPENDENT STUDY HOURS (ISH)
6.	KNOWLEDGE (Levels: Knowledge, Comprehension, Application, Analysis, Synthesis, Evaluation) 6.1. Theoretical/Written/Oral exam/s 6.2. Presentation 6.3. Seminar 6.4. Discussion 6.5. Session 6.6. Research paper writing 6.7. Project writing 6.8. Report writing 6.9. Dissertation writing 6.10. Homework 6.11. Investigation/Survey study 6.12. Other:
7.	SKILLS: (Levels: Imitation, Manipulation, Precision, Articulation, Naturalization) 7.1. Oral/practical exam/s 7.2. Presentation 7.3. Seminar 7.4. Discussion 7.5. Session 7.6. Exercise 7.7. Workshop 7.8. Imaging round 7.9. Laboratory round 7.10. Grand round 7.11. Other:
8.	ATTITUDES (Receiving, Responding, Valuing, Organization, Characterization)

	8.1. Questionnaire (self-assessment) 8.2. Paper case 8.3. Other: 9. COMPETENCY (Doing/Making, Co-ordinating/Operating, Observing/Analysing/Listening to/ Controlling/Driving, Choosing/Communicating/Enhancing, Conceiving/Visioning/Foreseeing) 9.1. Portfolio preparation 9.2. Clinical performance at outpatient wards 9.3. Clinical performance at inpatient wards 9.4. Clinical performance at night shifts (ward, emergency care unit, intensive care unit) 9.5. Other: (e.g. mini-clinical exam, etc.) 10. PROFICIENCY (Doing/Making, Co-ordinating/Operating, Observing/Analysing/Listening to/ Controlling/Driving, Choosing/Communicating/Enhancing, Conceiving/Visioning/Foreseeing) 10.1. Portfolio preparation 10.2. Clinical performance at outpatient wards 10.3. Clinical performance at inpatient wards 10.4. Clinical performance at night shifts (ward, emergency care unit, intensive care unit) 10.5. Other: (e.g. mini-clinical exam, etc.)
Assessment Methods:	A. Knowledge Assessment a. Written Exam (MCQ+EMQ+KFQ) (F, S) b. Objectively Structured Oral Examination (S) c. Oral Examination (F) d. Other: B. Skills Assessment a. Practical Examination (F) b. Objectively Structured Practical Examination (S) c. Mini Clinical Examination (S) d. Other: C. Attitude Assessment a. Mini Clinical Examination (S) b. Questionnaire (self-assessment) (F) c. Paper case (S) d. Observation of behaviour (360°) (F, S) e. Other: D. Competency Assessment a. Mini Clinical Examination (S) b. Clerkship/Internship Guide/Checklist Assessment (F, S) c. Professional Portfolio Assessment (F) d. Presentation Performance Assessment (F) e. Seminar Performance Assessment (F) f. Project Writing Assessment (S) g. Other: E. Proficiency Assessment a. Mini Clinical Examination (S) b. Clerkship/Internship Guide/Checklist Assessment (F, S) c. Professional Portfolio Assessment (F) d. Presentation Performance Assessment (F) e. Seminar Performance Assessment (F) f. Other: *F: Formative, S: Summative

COURSE CONTENT		
For Detailed information: https://med.yeditepe.edu.tr/sites/default/files/phase_3_apk_2019_16.12.2019_baski_0.pdf		
Week	Topics	Study Materials
1-6	COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos,

		Specifically designed phantoms, Medical and laboratory devices, Medical and non-medical consumables, Practice materials
7	Committee Exam	
8-13	COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos, Specifically designed phantoms, Medical and laboratory devices, Medical and non-medical consumables, Practice materials
14	Committee Exam	
15-17	COMMITTEE III - GASTROINTESTINAL SYSTEM	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos, Specifically designed phantoms, Medical and laboratory devices, Medical and non-medical consumables, Practice materials
18	Committee Exam	
20-21	Midterm Break	
19 -26	COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos, Specifically designed phantoms, Medical and laboratory devices, Medical and non-medical consumables, Practice materials
27	Committee Exam	
28-33	COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos, Specifically designed phantoms, Medical and laboratory devices, Medical and non-medical consumables, Practice materials
34	Committee Exam	
35-38	COMMITTEE VI - MUSCULOSKELETAL SYSTEM	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos, Specifically designed phantoms, Medical and laboratory devices, Medical and non-medical consumables, Practice materials
39	Committee Exam	

42	Final Exam	
45	Incomplete Exam	

RECOMMENDED SOURCES		
Textbooks		<ul style="list-style-type: none"> • Biomedical Ethics & Deontology • 1. Marcia Lewis, Carol D. Tamparo. Medical Law, Ethics, & Bioethics for the Health Professions, F.A. Davis Publishing House, 2012, ISBN: 0803627068 • 2. Michael Boylan. Medical Ethics, Wiley-Blackwell Publishing House, 2013, ISBN: 978-1118494752 • Biostatistics • 1. Pagano, Marcello, Gauvreau, Kimberlee. Principles of Biostatistics. Duxbury Press, 2000 ISBN 0534229026, 9780534229023. • 2. Glantz, Stanton A. Primer of Biostatistics. 7th Edition. McGraw Hill Professional, 2011. ISBN 0071447814, 9780071447812. • Infectious Diseases and Clinical Microbiology • 1. Murray, Patrick R, Rosenthal, Ken S, Pfaller, Michael A.. Medical Microbiology with STUDENT CONSULT Online Access. 8th Edition, 2016. • Medical Genetics • 1. Turnpenny, Peter D, Ellard, Sian. Emery's Elements of Medical Genetics. 14th Edition. Churchill Livingstone, 2012, ISBN: 9780702040436 • Neurosurgery • 1. Microneurosurgery, Volume I to Volume V, Thieme Kindle Edition by Mahmut Gazi Yasargil (Author) • 2. Neurology and Neurosurgery Illustrated, 5th Edition by Kenneth W. Lindsay PhD FRCS (Author), Ian Bone FRCP FACP (Author), Geraint Fuller MD FRCP (Author) • 3. Handbook of Neurosurgery Feb 22, 2010 by Mark S. Greenberg • Pharmacology • 1. Harvey, Richard A. Lippincott's Illustrated Review of Pharmacology. 6th ed., Wolters Kluwer Health, 2015. ISBN: 978-1469887562. • 2. Katzung, Bertram G., Masters, Susan B., Trevor Anthony J. Katzung's Basic & Clinical Pharmacology. 14th Edition. McGraw Hill Companies, 2017. ISBN: 978-1259641152. • 3. Brunton, Laurence, Chabner, Bruce, Knollman, Bjorn. Goodman&Gilman's The Pharmacological Basis of Therapeutics. 13th Edition. McGraw Hill Companies, 2017. ISBN: 978-1259584732. • Orthopedic Surgery • 1. Ortopedik Fizik Muayane, çeviri ed. Uğur Şaylı, Güneş Tıp Kitapevi • 2. Review of Orthopaedics, 6th edition (ed. Mark D. Miller) • 3. AAOS Comprehensive Orthopaedic Review, 2nd edition (ed. Martin I. Boyer) • Pathology • 1. Abbas Aster, Kumar. Robbins Basic Pathology. 9th edition, Saunders, Elsevier Inc. 2013. ISBN:978-0-8089-2432-6 • Psychiatry • 1. Öztürk O. Ruh Sağlığı ve Bozuklukları. 2. Baskı, Ankara 2011. ISBN: 9786058617292 • 2. Sadock BJ, Sadock VA, Ruiz P. Kaplan & Sadock's Comprehensive Textbook of Psychiatry, 9. Ed. 2009, Lippincott Williams & Wilkins, PA, USA. ISBN: 9780781768993 • 3. Purves D, Augustine GJ. Fitzpatrick D. et al. Neuroscience. 5. Ed. 2012, Sinauer Assoc, Mass, USA. ISBN: 9780878936953 • General Surgery • 1. Brunicaardi, F. Schwartz's Principles of Surgery, 10th edition, July 16, 2014, ISBN: 0071796754 / 9780071796750 • Urology • 1. Campbell-Walsh Urology, 11th Edition 4-Volume Set. By Alan J. Wein, MD, FACS, PhD (hon), Louis R. Kavoussi, MD, Alan W. Partin, MD, PhD and Craig A. Peters, MD, FACS, FAAP. Imprint: Elsevier.

	ISBN: 978-1-4557-7567-5. Copyright: 2016
Additional Resources	Each instructor will provide her/his notes to the students

MATERIAL SHARING	
Documents	Textbooks, Lecture presentations, Course notes, Checklists, Laboratory Practice Manuals, Videos
Assignments	
Exams	After the exam; exam questions, question discussions, individual performance analysis reports

ASSESSMENTS
Assessments table will be made with consideration of each learning objective for each committee and will be announced and explained in introductory lectures at the beginning of each committee.
EXAMINATION MATRIX
TS for students, who are exempted from FE = 98% of CMS + 2% of SRPCS
TS for students, who are not exempted from FE= 98% of (60% of CMS + 40% of FES or ICES) + 2% of SRPCS
Pass; TS ≥ 50
Fail; FES < 50 (barrier point), ICES < 50 (barrier point), or/and TS < 50
The student is exempted from FE, if the CMS is ≥ 75 and all CSs are ≥ 50
The FE and ICE barrier point is not applied to the students whose all CSs are ≥ 50
ICPS = (50% OSCE1) + (50% OSCE2)
Pass; ICPS ≥ 50
Fail; ICPS < 50
SRPC: Scientific Research and Publication Course
FES = Final Exam Score
ICES = Incomplete Exam Score
CMS = Average of CSs

COURSE CATEGORY

Professional (Knowledge and Skills: physiopathological processes, pathological processes; introduction to clinical practice-advanced clinical skills)

COURSE'S CONTRIBUTION TO PROGRAM					
Program Learning Outcomes (APK)	Contribution				
	1	2	3	4	5
1.1.		X			
1.5.			X		
2.1.		X			
2.2.			X		
2.3.		X			
2.4.		X			
2.5		X			

ECTS CREDITS MED 302 Introduction to Clinical Sciences			
ACTIVITIES	#	Time (hour)	Workload (hour)
Lectures	643	1	643
Laboratory Practices	27	1	27
Scientific Project Writing	1	18	18
Independent Study for Mid-term Exam	441	1	453
Mid-term Exam (MCQ+EMQ)	9	2	18
Independent Study for Final Exam	429	1	429
Final Exam (MCQ)	1	2	2
Total Workload per Course			1590
ECTS Credits per Course			53