

COURSE INFORMATION

Course Title	Code	Phase/Semester	L+P Hour	Credits	ECTS
Introduction to Clinical Sciences	MED 302	3 / 5-6	673+16	-	53

Prerequisites	Phase 2 / Semester 1-2 MED 203 Basic Medical Sciences MED 202 Introduction to Clinical Practice II
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Language of Instruction	English
Course Level	Second-cycle higher education (i.e. QF-EHEA-2, EQF-LLL-7, TYYÇ-7) with Master's Degree/ "Regulated Professions" legislation by EU 2005/36/EC Directive
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 2021 – 2022)</p> <p style="text-align: center;">Emine Nur ÖZDAMAR, MD, Assist. Prof. (Coordinator) Hasan AYDIN, MD, Prof. (Co-coordinator) Erdem SÖZTUTAR, MD, Assist. Prof. (Co-coordinator) Oya Akçin ALAGÖZ, MD, Assist. Prof. (Co-coordinator) Ebru ÇAYIR, MD, Assist. Prof. (Co-coordinator) Başak ARU, PhD, (Co-coordinator)</p>

Goals	<p>In evidence based manner:</p> <ol style="list-style-type: none"> 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; <ol style="list-style-type: none"> 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,
Content	<p>Course Components:</p> <p>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> <p>For further details please see Academic Program Book of Phase III at https://med.yeditepe.edu.tr/sites/default/files/phase_3_apk_2022-2023_17.10.2022_zip.pdf</p>

CONTENT of COURSE

Emergency Medicine Department

Lecture	Hour		Committee
	Theoretical	Practical	
Emergency Evaluation of Dyspnea	1	0	2
Clinical Approach to the Patient with Acute Abdominal Pain	1	0	3
Mesenteric Ischemia	1	0	3
Hypertensive Disorders in Pregnancy	1	0	4
Approach to Intoxicated Patient	1	0	5
Initial Approach to Trauma Patient	1	0	6
Frostbite / Burns	1	0	6
Pediatric Advanced Life Support	1	0	2
Emergency Evaluation of Sepsis and Septic Shock	1	0	1

NEUROSURGERY Department

Lecture	Hour		Committee 4
	Theoretical	Practical	
Clinical presentation, anatomical concepts and diagnosis in neurosurgical patients	1	0	1
Surgical neuroanatomy	1	0	1
Cerebrovascular diseases in Neurosurgery	2	0	2
Intracranial tumors	2	0	2
Spinal cord compression and spinal tumors	1	0	1
Degenerative diseases of the spine and the spinal cord	1	0	1
Cranial trauma in neurosurgery	1	0	1
Spinal trauma in neurosurgery	1	0	1
Neurosurgical infections	1	0	1
Hydrocephalus	1	0	1
Peripheral nerve compression	1	0	1
Functional neurosurgery	1	0	1
Pediatric neurosurgery	1	0	1

Biostatistics Department

Lecture	Hour		Committee I
	Theoretical	Practical	
Planning Medical Studies	2	0	1
Research Designs	1	0	1
Principals of Statistical Analysis	2	0	2
Preparing to Analyse Data	2	0	2
Comparing Groups-categorical Data	2	0	3
Comparing Groups-continous Data	1	0	3
Relation Between Two Variables	2	0	4
Relation Between Several Variables	1	0	4
Design of Survival Studies	1	0	5
Analysis of Survival Studies	2	0	5
Some Common Problems in Medical Research	1	0	6
Power Analysis and Sample Size Calculation	2	0	6

Child and Adolescent Psychiatry Department Lecture Content

Lecture	Hour		Committee VII
	Theoretical	Practical	
Introduction to Child and Adolescent Psychiatry	1	0	
Common Childhood Psychiatric Problems	1	0	
Mental Development in Childhood and Adolescence	1	0	

Internal Medicine Department

Lecture	Hour		Committee
	Theoretical	Practical	
Abdominal pain	X		3
Inflammatory bowel disease	X		3
Disease of Bile Duct and Gallbladder	X		3
Acute and Chronic pancreatitis	X		3
Wilson Disease and Hemochromatosis	X		3
Mass Lesions of the Liver	X		3
Acute liver Failure	X		3
Autoimmune hepatitis	X		3
Premalignant and Malignant lesions of the colon	X		3
Multidisciplinary Case Discussion Panel	X		3
			3

Pharmacology Department

Lecture	Hour		Committee
	Theoretical	Practical	
β Lactam Antibiotics I-II	2		1
Introduction to Antimicrobial Chemotherapy	1		1
Vancomycin & Other Cell Wall Synthesis Inhibitors	1		1
Aminoglycosides	1		1
Sulfonamides, Chloramphenicol & Tetracyclines	1		1
Anthelmintic Drugs	1		1
Antiprotozoal Drugs	1		1
Immunomodulators	1		1
Antimalarial Drugs	1		1
Macrolides	1		1
Quinolones	1		1
Antiviral Drugs	1		1
Antifungal Drugs	1		1
Antiseptics and Disinfectants	1		1
Antimycobacterial Drugs	1		1
Antianemic Drugs	1		1
Pharmacological Basis of Cancer Therapy I-II	2		1
Hematostatic Drugs and Hematostatic Blood Products I-II	2		1
Hypertension Treatment Guidelines	1		2
Anti-hypertensive Drugs I-II	2		2
Pharmacology of ReninAngiotensin System	1		2
Pharmacology Case Studies	1		2
Drugs Used in the Treatment of Dyslipidemias I-II	2		2
Anticoagulant, Antiplatelet & Thrombolytic drugs	1		2
Treatment of Cough & Drugs Used in the Treatment of Common Cold	1		2
Pharmacology and Toxicology of Tobacco	1		2
Drugs Used in the Treatment of Asthma& Chronic Obstructive Lung Disease	1		2
Drugs Used in Congestive Heart Disease I-II	2		2
Drugs Used in the Treatment of Angina Pectoris	1		2

Drugs Used in Cardiac Arrhythmias I-II	2		2
Diuretic Agents I-II	2		2
Acetylcholinesterase Inhibitors	1		2
Acetylcholine and Directly Acting Parasympathomimetic Drugs	1		2
Parasympatholytic Drugs	1		2
Sympathomimetic Drugs: Catecholamines & Noncatecholamines	1		2
Introduction to Autonomic System Pharmacology	1		2
Adrenergic Receptor Blockers	1		2
Adrenergic Neuron Blockers	1		2
Agents used in the Treatment of Peptic Ulcer I-II	2		3
Antiemetic Agents	1		3
Digestive & Antidiarrheal Drugs	1		3

Laxatives	1		3
Introduction to Endocrine Pharmacology	1		4
Thyroid and Antithyroid Drugs I-II	2		4
Insulin and Oral Antidiabetic Drugs I-II	2		4
Adrenocortical Hormones and Drugs I-II	2		4
Agents Effecting Bone Mineral Homeostasis I-II	2		4
Androgens & Anabolic Steroids	1		4
Estrogens, Progestines and Inhibitors I-II	2		4
Hypothalamic and Pituitary Hormones I-II	2		4
Introduction to Central Nervous System Pharmacology	1		5
Pharmacological Approach to Parkinsonism & Other Movement Disorders I -II	2		5
Antiepileptics	1		5
Antimigraine Drugs	1		5
Local Anesthetics	1		5
General Anesthetics	1		5
Drug Dependence & Abuse	1		5
The Alcohols	1		5
Antidepressant Drugs	1		5
Opioid Analgesics & Antagonists I-II	2		5
Sedative / Hypnotic Drugs I-II	2		5
CNS Stimulants and Hallucinogenic Drugs	1		5
Bipolar Disease & Lithium	1		5
Antipsychotic Drugs	1		5
Nonsteroidal Antiinflammatory Drugs I-II	2		6
Disease Modifying Antirheumatic Drugs	1		6
Pharmacology Case Studies	1		6
Skeletal Muscle Relaxants	1		6

Phytopatology Department

Lecture	Hour		Hour
	Theoretical	Theoretical	
Pathophysiology of Infectious Diseases	3		1
Pathophysiology of Hematopoietic System Disorders	3		1
Pathophysiology of Cardiovascular System Disorders	3		2
Pathophysiology of Respiratory System Disorders	4		2
Pathophysiology of Gastrointestinal Disorders	3		3
Pathophysiology of Endocrine System Diseases	3		4
Pathophysiology of Reproductive System Diseases	2		4
Pathophysiology of Urinary System Diseases	2		4
Pathophysiology of Nervous System Diseases	2		5
Pathophysiology of Musculoskeletal System Disorders	2		6

Thoracic Surgery Department

Lecture	Hour		Committee II
	Theoretical	Practical	
Diseases of the mediastinum and the diaphragm	1	0	II
Respiratory muscles and surgical anatomy	1	0	II
Surgical treatment of chest diseases	1	0	II

Pulmonary Medicine Department

Lecture	Hour		Committee
	Theoretical	Practical	
History and Symptoms in Pulmonary Diseases	1	0	2
Physical Examination and Signs in Pulmonary Diseases	1	0	2
Chronic Obstructive Pulmonary Disease	1	0	2
Diagnostic Methods in Pulmonary Medicine	1	0	2
Clinical Application of Pulmonary Function Tests	1	0	2
Bronchial Hyperreactivity and Asthma	1	0	2
Tracheobronchitis	1	0	2
Pneumonia	1	0	2
Pulmonary Tuberculosis	1	0	2
Pulmonary Embolism	1	0	2
Special Pulmonary Problems	1	0	2
Pulmonary Hypertension	1	0	2
Respiratory Failure	1	0	2
Bronchiectasis	1	0	2
Lung Cancer	1	0	2
Pleural Diseases	1	0	2
Interstitial Lung Diseases	1	0	2
Sleep Apnea Syndrome	1	0	2
Multidisciplinary Case Discussion Panel	2	0	2
ICP-CSL (Examination of Respiratory System)	4	8	2

Immunology Department

Lecture	Hour		Committee
	Theoretical	Practical	
Case Discussion on Immunity to Infection Transplantation Immunology Immunodeficiencies	6	-	I
Hypersensitivity reactions	2		II
Immunologic Tolerance and Autoimmunity	2	-	III
Immunology of Reproduction	2	-	IV
Neuroimmunological Disorders	2	-	V
Immune Mechanisms of Musculoskeletal Disorders	2	-	VI

Cardiology Department

Lecture	Hour	HOUR2	Committee II
	Theoretical	Practical	
General Signs and Principal Symptoms in Cardiovascular System Diseases	1	3	4
Examination of the Heart	1	3	4
Hypertension	1	0	1
Pericardial Diseases	1	0	1
Coronary Artery Disease	2	0	2
Valvular Heart Diseases	1	0	0
Infective Endocarditis and Acute Rheumatic Fever	1	0	1
Congestive Heart Failure	2	0	2
Electrocardiography	2	0	2
Cardiac Arrhythmias	1	0	1

ENT Diseases Department

Lecture	Hour		Committee
	Theoretical	Practical	
Laryngeal and Voice Diseases	1	0	2
Diseases of the Middle Ear and Eustachian Tube	1	0	2
Diseases of the Nose and Paranasal Sinuses	1	0	2
Nasopharyngeal and Oropharyngeal Diseases	1	0	2
Ear- Nose –Throat Examination (ICP)	0	3	

Microbiology Department

Dersler	Saat		Komite
	Teorik	Pratik	
Prevention measures for COVID-19 Pandemia	1	0	1
Diagnostic Tests of Respiratory Specimens	0	2	1
Antimicrobial Agents: Basic Concepts & Principles	2	0	1
Antimicrobial Agents: Mechanisms of Resistance	2	0	1
Antibacterial Susceptibility Testing	0	2	1
Laboratory Diagnosis of Infectious Diseases	6	0	1
Diagnostic Tests of Urinary Specimens	0	2	4
Diagnostic Tests of Urogenital Specimens	0	2	4

Orthopaedics and Traumatology Department

Lecture	Hour		Committee
	Theoretical	Practical	
Introduction to Musculoskeletal System	1	0	6
Degenerative Osteoarthritis	1	0	6
Foot Deformities	1	0	6
Principles of Fracture Healing	1	0	6
ICP-CSL (Physical Examination of the Musculoskeletal System)	0	4	6
Osteomyelitis	1	0	6
Septic Arthritis	1	0	6
Development Dysplasia of the Hip	1	0	6
Upper Extremity Trauma	1	0	6
Lower Extremity Trauma	1	0	6
Traumatic Dislocations	1	0	6
Spinal Trauma	1	0	6
Spinal Deformities	1	0	6
Osteoporosis	1	0	6
Benign Tumors of Bone	1	0	6
Malignant Tumors of Bone	1	0	6
Management of the Trauma Patient	1	0	6
Complications of Fractures	1	0	6
Management of Soft Tissue Disorders	1	0	6
Fractures of Children	1	0	6

Psychiatry Lecture Content

Lecture	Hour		Committee
	Theoretical	Practical	
Introduction to Psychiatry	1	0	5
Psychiatric Interview, History	1	1	5
Psychiatric Epidemiology and Classification	1	0	5
Developmental Psychopathology: Risk and Protective Factors in Mental Development	1	0	5
Signs and Symptoms in Psychiatry	1	1	5
Schizophrenia Spectrum and Other Psychotic Disorders	2	1	5
Neuroscience	2	0	5
Mood Disorders	2	0	5
Anxiety Disorders: An Introduction	1	0	5

Radiology..... Department Lecture Content

Lecture	Hour		Committee I
	Theoretical	Practical	
Radiology of Gastrointestinal System	1	0	2
X-Ray Examination of the Lungs	1	0	1
Imaging of Thyroid Glands	1	0	4
Imaging of Urinary System	1	0	4

Medical Genetics Department Lecture Content

Lecture	Hour		Committee
	Theoretical	Practical	
Introduction to Medical Genetics	2		1
Genetics of Oncology	2		1
Molecular Basis of Hemoglobinopathies	1		1
Inherited Respiratory System Disorders	1		2
Inherited Cardiovascular Disorders	1		2
Complex Diseases-Inherited Gastrointestinal System Disorders	2		3
Chromosomal Disorders I-II	2		4
Genetic Counseling	1		4
Prenatal Genetic Diagnosis	1		4
Genetic disorders of gonadal development I-II	2		4
Genetic Etiology of Mental Retardation I-II	2		5
Genetic Aspects of Psychiatric Disorders	1		5
Skeletal Dysplasias	1		6
Muscular Dystrophies	1		6

Medical Oncology Department Lecture Content

Lecture	Hour		Committee I
	Theoretical	Practical	
Introduction to Clinical Oncology	2	0	
Treatment approach of cancer	2	0	

Course Learning Outcomes	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

<p>Teaching/Learning Methods:</p>	<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
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- 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)

	<p>8.1. Questionnaire (self-assessment) 8.2. Paper case 8.3. Other:</p> <p>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.)</p> <p>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.)</p>
<p>Assessment Methods:</p>	<p>A. Knowledge Assessment a. Written Exam (MCQ+EMQ+KFQ) (F, S) b. Objectively Structured Oral Examination (S) c. Oral Examination (F) d. Other:</p> <p>B. Skills Assessment a. Practical Examination (F) b. Objectively Structured Practical Examination (S) c. Mini Clinical Examination (S) d. Other:</p> <p>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:</p> <p>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:</p> <p>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:</p> <p>*F: Formative, S: Summative</p>

COURSE CONTENT

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

- 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. Brunnicardi, 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
<p>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.</p> <p style="text-align: center;">EXAMINATION MATRIX</p> <p>TS for students, who are exempted from FE = 97% of CMS + 3% of SRPCS</p> <p>TS for students, who are not exempted from FE= 97% of (60% of CMS + 40% of FES or ICES) + 3% of SRPCS</p> <p>Pass; TS ≥ 60 Fail; FES < 50 (barrier point), ICES < 50 (barrier point), or/and TS < 60 The student is exempted from FE, if the CMS is ≥ 80 and all CSs are ≥ 60 The FE and ICE barrier point is not applied to the students whose all CSs are ≥ 60</p> <p>ICPS = (50% OSCE1) + (50% OSCE2) Pass; ICPS ≥ 60 Fail; ICPS < 60</p> <p>SRPC: Scientific Research and Publication Course FES = Final Exam Score ICES = Incomplete Exam Score CMS = Average of CSs</p>

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