YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE III

ACADEMIC PROGRAM BOOK

2018 - 2019

Student's
Name : .....
Number : .....

YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE III

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YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

AIM OF MEDICAL EDUCATION PROGRAM

*"Consensus Commission Report" based on draft compiled at "*Workshop for Revision of Aim and Outcomes of Medical Education Program at Yeditepe University Faculty of Medicine*"

AIM

The aim of medical education program ***is to graduate physicians*** who

- **are aware of** the local and global health issues
- **have acquired competence** in knowledge, skills and attitudes to manage and provide primary health care service
- **know**, **apply** and **care** for ethical principles of the medical profession
- **keep up with** current knowledge at national and international level
- **are capable of** systematical thinking
- **are** investigative and questioning
- continually **renovate** and **improve** themselves
- **are capable of** teamwork
- **use** technology competently in medicine and related areas
- **have** effective communication skills
- **have** community leadership qualifications

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

PROGRAM OUTCOMES OF MEDICAL EDUCATION PROGRAM

Abbreviations: PO: Program Outcomes, POD: Program Outcomes Domain, PODG: Program Outcomes Domain Group

PODG.1. Basic Professional Competencies

POD.1.1. Clinical Competencies

PO.1.1.1. ***values*** preventive health services, ***offers*** primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, ***provides*** consultancy on these issues.
PO.1.1.2. ***employs*** a patient-centered approach in patient management.
PO.1.1.3. ***recognizes*** most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.
PO.1.1.4. ***takes*** medical history from the applicant himself/herself or from the individual's companions.
PO.1.1.5. ***does*** general and focused physical and mental examination.
PO.1.1.6. ***interprets*** findings in medical history, physical and mental examination.
PO.1.1.7. ***employs*** diagnostic procedures that are used frequently at the primary health care level.
PO.1.1.8. ***selects*** tests that have evidence-based high efficacy at the primary health care level and ***interprets*** results.
PO.1.1.9. ***makes*** clinical decisions using evidence-based systematic data in health care service.
PO.1.1.10. ***performs*** medical interventional procedures that are used frequently at the primary health care level.
PO.1.1.11. ***manages*** healthy individuals and patients in the context of health care services.
PO.1.1.12. ***keeps*** medical records in health care provision and ***uses*** information systems to that aim.

POD.1.2. Competencies related to Communication

PO.1.2.1. throughout his/her career, ***communicates*** effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.
PO.1.2.2. ***collaborates*** as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.
PO.1.2.3. ***recognizes*** the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.
PO.1.2.4. ***communicates*** with all stakeholders taking into consideration the socio-cultural diversity.

POD.1.3. Competencies Related to Leadership and Management

PO.1.3.1. ***manages*** and ***leads*** within the health care team in primary health care organization.
PO.1.3.2. ***recognizes*** the principles of health management and health sector economy, models of organization and financing of health care services.
PO.1.3.3. ***recognizes*** the resources in the health care service, the principles for cost-effective use.

POD.1.4. Competencies related to Health Advocacy

PO.1.4.1. ***recognizes*** the health status of the individual and the community and the factors affecting the health, ***implements*** the necessary measures to prevent effects of these factors on the health.
PO.1.4.2. ***recognizes*** and ***manages*** the health determinants including conditions that prevent access to health care.

POD.1.5. Competencies related to Research

PO.1.5.1. ***develops***, ***prepares*** and ***presents*** research projects

POD.1.6. Competencies related to Health Education and Counseling

PO.1.6.1. ***provides*** consultancy services and ***organizes*** health education for the community to sustain and promote the health of individual and community**.**

PODG.2. Professional Values and Perspectives

POD.2.1. Competencies related to Law and Legal Regulations

PO.2.1.1. ***performs*** medical practices in accordance with the legal framework which regulates the primary health care service.

POD.2.2. Competencies Related to Ethical Aspects of Medicine

PO.2.2.1. ***recognizes*** basic ethical principles completely, and ***distinguishes*** ethical and legal problems.

PO.2.2.2. ***pays importance to*** the rights of patient, patient's relatives and physicians, and ***provides*** services in this context.

POD.2.3. Competencies Related to Social and Behavioral Sciences

PO.2.3.1. ***relates*** historical, anthropological and philosophical evolution of medicine, with the current medical practice.

PO.2.3.2. ***recognizes*** the individual's behavior and attitudes and factors that determine the social dynamics of the community.

POD.2.4. Competencies Related to Social Awareness and Participation

PO.2.4.1. ***leads*** community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, ***develops*** projects directed towards health care services.

POD.2.5. Competencies Related to Professional Attitudes and Behaviors

PO.2.5.1. ***displays*** a patient-centered and holistic (biopsychosocial) approach to patients and their problems.

PO.2.5.2. ***respects*** patients, colleagues and all stakeholders in health care delivery.

PO.2.5.3. ***displays*** the proper behavior in case of disadvantaged groups and situations in the community.

PO.2.5.4. ***takes*** responsibility for the development of patient safety and healthcare quality.

PO.2.5.6. ***evaluates*** own performance as open to criticism, ***realizes*** the qualifications and limitations.

PODG.3. Personal Development and Values

POD.3.1.Competencies Related to Lifelong Learning

PO.3.1.1. ***embraces*** the importance of lifelong self-learning and ***implements***.

PO.3.1.2. ***embraces*** the importance of updating knowledge and skills; ***searches*** current advancements and ***improves*** own knowledge and skills.

PO.3.1.3. ***uses*** English language at least at a level adequate to follow the international literature and to establish communication related to the profession.

POD.3.2. Competencies Related to Career Management

PO.3.2.1. ***recognizes*** and ***investigates*** postgraduate work domains and job opportunities.

PO.3.2.2. ***recognizes*** the application requirements to postgraduate work/job domains, and ***distinguishes*** and ***plans*** any requirement for further training and work experience.

PO.3.2.3. ***prepares*** a resume, and ***recognizes*** job interview methods.

POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health

PO.3.3.1. ***implements*** the rules of healthy living.

PO.3.3.2. ***displays*** appropriate behavior specific to work under stressful conditions.

PO.3.3.3. ***uses*** self-motivation factors.

COORDINATION COMMITTEES

(TEACHING YEAR 2018 – 2019)

PHASE-III COORDINATION COMMITTEE

Hale ARIK TAŞYIKAN, MD, Assist. Prof. (Coordinator)
Hasan AYDIN, MD, Prof. (Co-coordinator)
Şule TEMİZKAN, MD, Assoc. Prof. (Co-coordinator)
Erdem SÖZTUTAR, MD, Assist. Prof. (Co-coordinator)
Emine Nur ÖZDAMAR, Assist. Prof. (Co-coordinator)

ICP-III COORDINATION COMMITTEE

Özlem TANRIÖVER, MD, Assoc. Prof. (Coordinator)
Ayşe Arzu AKALIN, MD, Assist. Prof. (Co-coordinator)

COORDINATION of ELECTIVE COURSES

Ayşe Arzu AKALIN, MD, Assist. Prof. (Coordinator)

DESCRIPTION and CONTENT

Physiopathological process and pathological process.

Infectious Diseases, Cardiovascular System, Respiratory System, Hematopoietic System, Gastrointestinal System, Endocrine System, Urogenital System, Nervous System, Psychiatry, Musculoskeletal System, Basic Clinical Skills, Biomedical Ethics and Deontology, Biostatistics.

Emergency Medicine, Family Medicine, Anesthesiology and Reanimation, Neurosurgery, Biostatistics, Biomedical Ethics and Deontology, Pediatrics, Pediatric Surgery, Pediatric Psychiatry, Endocrinology, Infectious Diseases, Immunology, Phytotherapy, Physical Therapy and Rehabilitation, Physiopathology, Gastroenterohepathology, General Surgery, Pulmonary Diseases, Thoracic Surgery, Ophtalmology, Public Health, Hematology/Oncology, Obstetrics and Gynecology, Cardiology, Otorhinolaryngology, Nephrology, Neurology, Orthopedics and Traumatology, Pathology, Psychiatry, Radiology, Rheumatology, Medical Pharmacology, Medical Genetics, Medical Microbiology, Urology, Medical Education.

AIMS and LEARNING OBJECTIVES of PHASE III

AIMS

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.

LEARNING OBJECTIVES

At the end of this phase, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of body systems.
2.0. ***list*** necessities for prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions in relation to body systems.
3.0. ***explain*** risk factors and etiopathogenesis, at multi-system level or related to a body system, of 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.
4.0. at cellular or tissue level,
4.1. ***recognize*** morphological characteristics,
4.2. ***show*** basic pathological changes that occur in clinical conditions.
5.0. at multi-system level or related to a body system, of 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;
5.1. ***explain*** mechanisms of destruction at molecule, cell, tisssue, organ, system, multi-system and organismal level,
5.2. ***describe*** structural and functional changes caused,
5.3. ***list*** clinical courses in time.
6.0. ***explain*** mechanisms of emergence for frequently encountered;
6.1. clinical complaints,
6.2. symptoms,
6.3. signs,
6.4. laboratory and imaging findings
of 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.
7.0. at multi-system level or related to a body system,
• for healthy conditions in an individual or community with a request, or
• in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
• 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,
explain in an evidence-based manner and with performance measures from the aspects of reliability, practicality and outcomes,
• health care processes,
• acquisition of subjective or objective data, information and knowledge required for clinical decision making,
• clinical decision making process,

• clinical decisions and
• clinical practices
which are required for management at primary health care service level.
7.1. practice of history taking and physical examination (*cardiovascular-C2, pulmonary-C2, gastrointestinal-C4, gynecological-C5, breast-C5, neonatal, prepubertal/pubertal-C6, neurological/neuropsychiatric-C7, musculoskeletal-C8*)
7.2. evaluation of emergency case (*sepsis and septic shock-C1, dyspnea-C2, acute abdominal pain-C4, urological emergencies-C6, neurological emergencies-C7, trauma-C8*)
7.3. approach to healthy individual or patient (*fever-C1, cardiovascular disease-C2, chest pain-C2, cough and hemoptysis-C2, dyspnea-C2, anemia-C3, lymphadenopathy-C3, diarrhea-C4, pregnancy-C5, urinary tract infection-C6, neurological symptoms-C7, headache-C7, depression-C7, dementia-C7, musculoskeletal dysfunction-C8*)
7.4. laboratory and imaging tests/examinations
7.4.1. based on laboratory disciplines/subdisciplines;
1. medical biochemistry tests:
i. *(venous blood collection-C5*)
ii. *(thyroid function tests-C5, diabetes tests-C5)*
2. medical microbiology tests:
i. *(urine sample collection-C1, throat swab specimen-C5, sputum sample collection-C5, urethral-vaginal-cervical discharge/swab specimen-C6, fecal specimen collection-C6, wound sample collection-,blood collection for culture-*)
ii. *(urine strip/dipstick test-C1, urine culture-C1, rapid screening (antigen/antibody) tests-C5, throat culture-C5, sputum culture-C5, urethral-vaginal-cervical discharge culture-C6, fecal culture-C6, wound culture-, blood culture-)*
3. medical pathology tests:
i. *(C2, C4, C6, C7, C8, Pap smear collection)*
ii. *(C2, C4, C6, C7, C8, Pap smear)*

4. other laboratory tests:
i. *(peripheral/venous blood collection for hematology tests-C3, blood sample collection for therapeutic drug monitoring-C8)*
ii. *(pulmonary function tests-C2, hematology tests for anemia-C3, monitarization of drug therapy-C8)*

5. radiological examinations: *(radiological examinations in gynecology-C5, breast imaging-C5, uroradiology-C6, conventional neuroradiological examinations-C7, spinal neuroradiology-C7, cranial CT-C7, cranial MRI-C7, radiological imaging of musculoskeletal system-C8, radiological examinations in benign ve malign tumors of bones-C8)*
6. nuclear medicine examinations: *(nuclear medicine tests in infectious diseases-C1, radionuclide ventriculography-C2, myocardial scintigraphy-C2, cardiac PET-C2, ventilation/perfusion scintigraphyi-C2, PET in lung cancer-C2, nuclear medicine tests in hematology-C3, scintigraphy of liver/spleen-C4, PET in gastrointestinal system tumors-C4, radioisotope imaging of thyroid and parathyroid-C5, renal scintigrahy (GFR, ERPF, Renogram)-C6, brain perfusion scintigraphy-C7, brain PET-C7, bone scintigraphy-C8)*

7.4.3. point of care testing
a. based on laboratory disciplines/subdisciplines;
1. medical biochemistry tests: *(diabetes tests-C5, cardiac markers-, coagulation tests-, blood gases-).*
2. medical microbiology tests: *(urine strip/dipstick test-C1, rapid screening (antigen/antibody tests-C5)*
3. other laboratory testsi: *(hematology-peripheral blood smear examination-C3, hematology-complete blood count-)*

7.5. making preliminary diagnosis or definitive diagnosis decision
7.6. making non-intervention or intervention decision
7.7. practicing non-intervention or intervention
7.8. referral/transport of healthy individual or patient

INSTRUCTIONAL DESIGN OF PRECLINICAL YEARS

In Phase I, II and III, the formation of committees is based on a thematic structure. This structure corresponds to organizational levels of human body such that macromolecule, organelle, cell, tissue, organ systems and finally introduction to pathogenesis.

- Phase I: Normal structure and function of human body at molecular, cellular, tissue and organ level.
- Phase II: Normal structure and function of human body at system and multi-system level, and introduction to pathogenesis.
- Phase III: Physiopathological and pathological processes in human body.

Besides this thematic structure, there is a continuous clinical skills education in Phase I, II and III, as “Introduction to Clinical Practice -I, -II and -III” courses.

Therefore, the core medical courses are;

- Phase I: MED 104 Basic Medical Sciences I, MED 102 Introduction to Clinical Practice I, MED 103 Anatomical Drawing,
- Phase II: MED 201 Basic Medical Sciences II, MED 202 Introduction to Clinical Practice II,
- Phase III: MED 302 Introduction to Clinical Sciences, MED 303 Introduction to Clinical Practice III.

The learning objectives of the phase include learning objectives of core courses. The learning objectives of committees include learning objectives of core courses’ components for the committee.

INTRODUCTION TO CLINICAL SCIENCES (MED 302)

AIMS

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,

LEARNING OBJECTIVES

At the end of this phase, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of body systems.
2.0. ***list*** necessities for prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions in relation to body systems.
3.0. ***explain*** risk factors and etiopathogenesis, at multi-system level or related to a body system, of 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.
4.0. at cellular or tissue level,
4.1. ***recognize*** morphological characteristics,
4.2. ***show*** basic pathological changes that occur in clinical conditions.
5.0. at multi-system level or related to a body system, of 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;
5.1. ***explain*** mechanisms of destruction at molecule, cell, tisssue, organ, system, multi-system and organismal level,
5.2. ***describe*** structural and functional changes caused,
5.3. ***list*** clinical courses in time.
6.0. ***explain*** mechanisms of emergence for frequently encountered;
6.1. clinical complaints,
6.2. symptoms,
6.3. signs,
6.4. laboratory and imaging findings

of 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.
7.0. at multi-system level or related to a body system,

- for healthy conditions in an individual or community with a request, or
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes,
- acquisition of subjective or objective data, information and knowledge required for clinical decision making,
- clinical decision making process,
- clinical decisions and
- clinical practices

which are required for management at primary health care service level.

7.1. evaluation of emergency case (*sepsis and septic shock-C1, dyspnea-C2, acute abdominal pain-C4, urological emergencies-C6, neurological emergencies-C7, trauma-C8*)
7.2. approach to healthy individual or patient (*fever-C1, cardiovascular disease-C2, chest pain-C2, cough and hemoptysis-C2, dyspnea-C2, anemia-C3, lymphadenopathy-C3, diarrhea-C4, pregnancy-C5, urinary tract infection-C6, neurological symptoms-C7, headache-C7, depression-C7, dementia-C7, musculoskeletal dysfunction-C8*)
7.3. laboratory and imaging tests/examinations
7.3.1. based on laboratory disciplines/subdisciplines;
1. medical biochemistry tests:
i. *(venous blood collection-C5*)
ii. *(thyroid function tests-C5, diabetes tests-C5)*
2. medical microbiology tests:
i. *(urine sample collection-C1, throat swab specimen-C5, sputum sample collection-C5, urethral-vaginal-cervical discharge/swab specimen-C6, fecal specimen collection-C6, wound sample collection-,blood collection for culture-*)
ii. *(urine strip/dipstick test-C1, urine culture-C1, rapid screening (antigen/antibody) tests-C5, throat culture-C5, sputum culture-C5, urethral-vaginal-cervical discharge culture-C6, fecal culture-C6, wound culture-, blood culture-)*
3. medical pathology tests:
i. *(C2, C4, C6, C7, C8, Pap smear collection)*
ii. *(C2, C4, C6, C7, C8, Pap smear)*

4. other laboratory tests:
i. *(peripheral/venous blood collection for hematology tests-C3, blood sample collection for therapeutic drug monitoring-C8)*
ii. *(pulmonary function tests-C2, hematology tests for anemia-C3, monitarization of drug therapy-C8)*

7.3.2. imaging tests/examinations based on disciplines/subdisciplines:
1. radiological examinations: *(radiological examinations in gynecology-C5, breast imaging-C5, uroradiology-C6, conventional neuroradiological examinations-C7, spinal neuroradiology-C7, cranial CT-C7, cranial MRI-C7, radiological imaging of musculoskeletal system-C8, radiological examinations in benign ve malign tumors of bones-C8)*
2. nuclear medicine examinations: *(nuclear medicine tests in infectious diseases-C1, radionuclide ventriculography-C2, myocardial scintigraphy-C2, cardiac PET-C2, ventilation/perfusion scintigraphyi-C2, PET in lung cancer-C2, nuclear medicine tests in hematology-C3, scintigraphy of liver/spleen-C4, PET in gastrointestinal system tumors-C4, radioisotope imaging of thyroid and parathyroid-C5, renal scintigrahy (GFR, ERPF, Renogram)-C6, brain perfusion scintigraphy-C7, brain PET-C7, bone scintigraphy-C8)*

7.3.3. point of care testing
a. based on laboratory disciplines/subdisciplines;
1. medical biochemistry tests: *(diabetes tests-C5, cardiac markers-, coagulation tests-, blood gases-).*
2. medical microbiology tests: *(urine strip/dipstick test-C1, rapid screening (antigen/antibody tests-C5)*
3. other laboratory testsi: *(hematology-peripheral blood smear examination-C3, hematology-complete blood count-)*

7.5. making preliminary diagnosis or definitive diagnosis decision
7.6. making non-intervention or intervention decision
7.7. referral/transport of healthy individual or patient

INTRODUCTION TO CLINICAL PRACTICE- I-II-III (MED 102, 202, 303)

AIM of ICP PROGRAM

This course aims to equip the students with basic medical skills such as history taking regarding to systems and in general, physical and mental examination in simulated environments in pre-clinical period and to give the students opportunity to develop skills by applying non –invasive or invasive procedures on the mannequins before encountering with real patients. The students improve the gained skills by observing real encounters in the clinical settings during 2nd and 3rd year.

Description

ICP is a three year longitudinal course that aims to introduce students to the concepts and main elements of medical practice. It will also be an introduction to the medical profession as a whole and will provide a foundation for clinical practice. The course provides knowledge, cognitive and motor skills and experience in fundamental processes and aspects of medical practice. It involves the application of scientific theory, quality assurance and evidence-based best practice protocols.

Credit Facility:

This course has 5 ECTS credits for the first and third year students while it is 4 ECTS for the second year students and all of the students are required to pass this course in order to pass the year.

Content of the ICP I-II-III

First year medical students gain knowledge on First Aid approaches, develop skills in Basic Life Support, Patient/Casualty Transportation and Bandaging Techniques regarding to First Aid. They also acquire basic knowledge on communication and experience patient-doctor encounter with simulated patients (SP's).

The second years ICP Program consist of modules like handwashing, wearing sterile gloves, assessing vital signs, nasogastric intubation, bladder catheterization, intramuscular, subcutaneous, intradermal and intravenous injections as well as iv. catheterization.

In the third year medical students practice with SP's clinical skills like history taking and physical examination focused on body systems and in general and also mental examination. They also gain clinical skills such as suturing techniques and Advanced Cardiac Life Support.

Clinical Skills Laboratory

The Clinical Skills Laboratory is designed for teaching and assessing students at undergraduate level (during the preclinical period from first-year to third year). The lab provides learners with the ideal setting to practice the clinical skills of history taking, physical examination, communication, and gives opportunities to practice invasive and non invasive procedural skills on mannequins.

Each exam room is equipped with video cameras and microphones to record the encounter. An observation area at the center of the lab allows faculty and students to observe the encounters live or view digital recordings for subsequent analysis.

Simulated Patients (SPs)

The simulated patient encounters provide transition of students from the classroom to standardized patient contact in safe environments.

Encounters with specially trained individuals, known as simulated patients (SPs), simulate specific cases in outpatient and emergency settings. The pool of SPs consist of adults, from various backgrounds.

Clinical cases are created through research and extensive training of the patients portraying these roles.

Assessment: The Assessment procedure of ICP is given in Assessment Table in this booklet.

Rules for Attendance of the Students: Students are grouped into 4 and group lists are announced in the announcement board at the beginning of the year. Any changes to practical groups on a week by

week basis, will only be considered in exceptional situations such as a medical one. Any changes must be requested by a petition along with relevant documentation to the course coordinator. Any change in sessions will only be accepted interchangeably with another student in another group based on availability of work spaces and course coordinator's discretion (based on evidence provided).
Students are required to follow the rules of professional ethics in the laboratory at any time.

When an OSCE is conducted both students and faculty members complete a written evaluation of the event for the improvement of the course and OSCE.

INTRODUCTION to CLINICAL PRACTICE III (ICP-III) (MED 303)

AIM

The aim of ICP III Program is to equip Phase III students with basic and advanced professional and clinical (interventional or non-interventional) skills necessary for practice of medical profession.

LEARNING OBJECTIVES

At the end of this phase, student should be able to:

KNOWLEDGE

1. define the basic terminology used in general and organ system spesific physical examination.
2. describe the steps of history taking and physical examination (cardiovascular, pulmonary, ear/nose/throat, gastrointestinal, gynecological, obstetric, breast, neonatal, prepubertal / pubertal, neurological / psychiatric, musculoskeletal)**.**
3. describe suture materials and choose the appropriate material**.**

SKILLS

1. apply Advanced Cardiac Life Support on an adult model in accordance with the skill procedure.
2. perform sutures in accordance with the skill procedure.
3. perform history taking and physical examination (cardiovascular, pulmonary, ear/nose/throat, gastrointestinal, gynecological, obstetric, breast, neonatal, prepubertal / pubertal, neurological / psychiatric, musculoskeletal) on simulated patients or mannequins in accordance with the skill procedure.

ATTITUDE

1. value the importance of informed consent
2. pay attention to patient privacy
3. value the importance of not exceeding the limits of his/her own competency level.

SPECIFIC SESSIONS / PANELS

Introductory Session

Aim of the session:
The session provides basic information about Yeditepe University Faculty of Medicine Undergraduate Medical Education Program (YUFM/UG-ME) and the educational phase relevant to the students. This session orients the students to the program and the phase.

Objectives of the Session:
1. To provide basic information about the YUFM/UG-ME.
2. To provide basic information about the phase.
3. To provide essential information on social programs and facilities.

Rules of the Session:
1. The session will be held in two types, conducted by Phase Coordinator and Committee Coordinator, respectively.
2. The first type will be held once in the first week of the educational phase. The second type will be held at the beginning of each committee.
3. Students should attend the session.

Implementation of the Session:
In the first type, Phase Coordinator will present brief information on the following topics:
- Organizational Chart of Yeditepe University Faculty of Medicine Undergraduate Program (YUFM/UG-ME), Work Descriptions and Introduction of Committees Members,
- Directives on YUFM/UG-ME,
- YUFM/UG-ME Program Outcomes
- Learning Objectives of the Phase
- Academic Program of the Phase
- Teaching and Learning Methods
- Learning Environments and Sources/Resources
- Attendance
- Elective Courses (only in Phase I and Phase II)
- Assessment Procedure
- Grade Point Average, Cumulative Grade Point Average (GPA, cGPA) Calculation
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

In the second type, Committee Coordinator will present brief information on the following topics:
- Learning Objectives of the Committee
- Academic Program of the Committee
- Teaching and Learning Methods
- Learning Environments and Sources/Resources, References
- Attendance
- Assessment Methods and Question Distribution Table
- Committee Score Calculation Method
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

Committee Evaluation Session

Aim of the Session:

The aim of the session is to evaluate the committee educational program, with all its components, by the students and the committee coordinators. This session will contribute to the improvement of the educational program in general by giving the opportunity to identify the strengths of the committee educational program and revealing the areas which need improvement.

Objectives of the Program Evaluation Session are to;

- establish a platform for oral feedbacks in addition to the systematically written feedback forms
- give the opportunity to the students and the coordinators to discuss the committee period face to face
- allow the students to review the committee exam questions together with faculty members.

Process:

The total duration of the session is 90 minutes and the session consists of two parts. The first part (30 minutes) is dedicated to oral feedback by the students. All of the oral feedback will be recorded and reported by the committee coordination team. In the second part (60 minutes) committee exam questions will be reviewed and discussed by students and faculty.

Rules of the Committee Evaluation Session :

1. The **Committee Evaluation Session** will be held on the last day of each committee after the committee exam.
2. Students are required to attend the session.
3. The Committee coordinator will lead the session.
4. The faculty members who had contributed questions in the committee exam should attend the session.
5. Students must comply with the feedback rules while giving verbal feedback and all participants shall abide by rules of professional ethics.

Committee Improvement Session

Aim:

The aim of this session is sharing the program improvements based on the evaluation of the educational program data, with the students and the faculty members.

Objectives:

1. To share the improvements within educational program with the students and the faculty members.
2. To inform the students and the faculty members about the processes of the program improvement
3. To encourage student participation in the program improvement processes.

Rules:

1. Program improvements session will be implemented once a year. The implementation will be performed at the begining of the spring semester.
2. Students are required to attend the session.
3. The phase coordinator will monitor the session. If necessary the dean, vice deans and heads of the educational boards will attend to the session.
4. All faculty members will be invited to the session.

Implementation:

Before the Session

1. Phase coordinator will report the results of the improvements of the educational program.
2. The program improvements report has three parts. The first part of the report includes improvements that have been completed, and those that are currently in progress. The second part of the report includes, improvements that are planned in medium term, and the third part of the report includes, improvements that are planned in the long term.
3. The program improvements report also includes the program evaluation data (student feedbacks, faculty feedbacks, results of the educational boards meetings etc.) in use of improvements.

During the Session

4. The phase coordinator will present the program improvements report to the students and the faculty members.
5. Students can ask questions about, and discuss, the results of the program improvement.

Process: The total period of session is 30 minutes and has two parts. The first part (15 minutes) covers, presenting of the program improvement report. The second part (15 minutes) covers, students' questions and discussion.

After the Session

6. The program improvement brief will be published on the website of Yeditepe University Faculty of Medicine (http://med.yeditepe.edu.tr).

Multidisciplinary Case Discussion Panel

Aim:
The aim of this instructional method is, to integrate what students learnt during committee, to fit in the clinical context and to promote deep learning.

Objectives:
1. To relate learning objectives of the committee,
2. To relate clinical cases and learning subjects,
3. To explain learning objectives in the resolution of clinical cases,
4. To value the importantance of multidisiplinary study in the resolution of clinical cases.

Implementation:
Before the Panel
1. Case/cases that will be discussed in the panel will be chosen by a multidisiplinary team, in compliance with committee learning objectives.
2. The resources to analyse the cases will be specified by multidisiplinary team.
3. Students can get hard copies of the cases and the list of sources from student affairs at the beginning of the committee.
4. Students shall study cases in the context of learning objectives before the panel.
5. Before the panel, students may consult the faculty members for information about cases.

During the Panel
6. Cases will be shared visually with students by the multidisiplinary team.
7. Possible resolution of cases will be shared and discussed with students by the multidisiplinary team.
8. After the resolution of cases, students can ask questions to faculty members about the commitee learning obcetives in the context of cases.

Process: The total duration of the Panel is 60 minutes and has 2 parts. The first part (40 minutes), covers the presentation of cases, resolution of cases, asking questions to students and discussion as suitable to learning objectives during the resolution by multidisiplinary team. The second part (20 minutes), covers students' questions and discussion.

After the Panel
9. Students may continue reviewing the cases in the context of committee learning objectives.
10. The multidisiplinary team will review the usefulness of cases as a learning tool in the context of committee learning objectives. "The Panel Report" will be written by the multidisiplinary team.

INDEPENDENT LEARNING

Description:
"Independent learning" is a process, a method and a philosophy of education in which a student acquires knowledge by his or her own efforts and develops the ability for inquiry and critical evaluation. It includes freedom of choice in determining one's learning objectives, within the limits of a given project or program and with the aid of a faculty adviser. It requires freedom of process to carry out the objectives, and it places increased educational responsibility on the student for the achieving of objectives and for the value of the goals (1).

Aim:
The aim of this instructional strategy is to develop the students' ability, to learn individually, so they are prepared for the classroom lessons, lectures, laboratory experiences and clinical practices, exams, professional life and have the abilities needed for lifelong learning.

Objectives:
With this instructional strategy, students will develop;

- the skills that will help them to learn independently.
- self-discipline in their work habits.
- their evidence based research skills by using reliable resources.
- their teamwork skills by studying together.
- their clinical skills as self-directed working in the clinical skills laboratory.

Rules:
1. All of the students will define independent learning process according to below algorithm.
2. All of the students will be required to fill out a form, which is a self-assessment form for the independent learning (methodology: timing, sources, strategy, etc.).
3. The students' academic performance and independent learning methodology will be analyzed comparatively, and feed-back on further improvements will be provided.

What a student should do for learning independently?
1. **Analyzing:** First you will need to analyze carefully, what your problems and weaknesses are. For example, if you are studying anatomy, is your weak area broadly upper limb, lower limb, or what?
2. **Addressing:** Once you've decided your specific problems, you can list them. Which one needs to be addressed urgently? Work out your priorities. Whatever your subject area is, don't be afraid to return to the basics if necessary. It may give you more confidence in the long run to ensure you have a proper understanding of basic concepts and techniques.
3. **Accessing:** If you need reliable information, or if you need to read about a subject and put it into context, a textbook may be the best place to start. However, the Internet may be helpful if you need very up-to-date information, specific facts, or an image or video etc. If you need an academic research article, reports or case studies for your topic, then a database (Pubmed etc.) would be the best option.
4. **Timing:** In the weekly syllabus you will see, a specific time called "independent learning hour" for your independent work. In addition to these hours, the students should also have their own time schedule for their study time at home.
5. **Planning:** Your next step will be to work out a realistic study-plan for your work. What goals could you literally set for yourself? Don't make them too ambitious but set minor goals or targets that you know you will be able to achieve without having to spend a very long time working on them. How many hours will you need to achieve them? How will you know when you've achieved them?
6. **Recording:** When you work independently, it's a good idea to keep a written record of the work you've done. This can help with further planning and also give a sense of achievement as well as provide something to include in a progress file. As time goes by you may surprise yourself with what you've been able to achieve. This could motivate you to keep going, as could increase your confidence, and even improve your results
7. **Reflecting:** Reflecting on what you've done can help you decide whether the activity was really effective, whether an alternative approach might be better on another occasion, whether you spent the right amount of time and whether you have achieved the target you'd set yourself.
8. **Improving:** Once you've achieved the target, the process of planning can start again. Your needs and priorities may have changed, so think about them and then set yourself to another target.

Reminder: For further information about the independent learning, please contact the Department of Medical Education.

Reference:

1. Candy, P. (1991) Self-direction for lifelong learning: a comprehensive guide to theory and practice. San Francisco: Jossey Bass.

For further reading useful resources to recommend to students:

- Burnapp, D. (2009). Getting Ahead as an International Student. London: Open University Press.
- Marshall, L. & Rowland, F. (1998) A Guide to learning independently. London: Open University Press.
- University of Southampton / UKCISA online resource 'Prepare for Success'

ASSESSMENT PROCEDURE

The Assessment Procedure of the Phase III covers exams and scores and their abbrevations that shown below.

- Exams:
  - Committee Exam (CE)
  - Mid-term Exam (MTE)
  - Final Exam (FE)
  - Incomplete Exam (ICE)
  - Make-up Exams (MUE)
- Scores*:
  - Committee Score (CS)
  - Committees Mean Score (CMS)
  - Introduction to Clinical Practice Score (ICPS)
  - Scientific Project Score (SPS)
  - Final Exam Score (FES)
  - Incomplete Exam Score (ICES)
  - Term Score (TS)

* All scores have a range of 0-100 points.

Assessment approaches, assessment methods and assessment tools, that related with the exam and score types, are shown in below table.

Assessment Approaches	Assessment Methods	Question Types / Assessment Tools	Exams	Derived Scores
Knowledge-based Assessment	WE: Written Examination	MCQ: Multiple Choice Questions	CE, MTE, FE, ICE	CS, ICPS, FES, ICES
		EMQ: Extended Matching Questions	CE	CS
		FSAQ: Fill-in-the-Blank Short Answer Questions	MuE	CS
Competency–based Assessment	OSCE: Objective Structured Clinical Examination	OSCE Checklist		ICPS
Performance–based Assessment	PWPE: Project Writing and Presenting Evaluation	PWPE Checklist		SPS

Exams Information (MED 302, MED 303)	
CE	For the proportional correspondence of individual learning objectives, please see the committee's assessment matrix table/page.
FE	FE consists of 200 MCQs. For the proportional contribution of each committee, please see the committee's assessment matrix table/page.
ICE	ICE consists of 200 MCQs. For the proportional contribution of each committee, please see the committee's assessment matrix table/page.
MUE$_{ICS}$	MUE will be held only twice in a term. MUE consists of FSAQs. MUE content will be developed by the coordination committees.

Scores Information (MED 302, MED 303)	
CS	The committee score is based on various question types/numbers and/or assessment tools (MCQ, EMQ, MEQ or Checklists). Please see the committee's assessment matrix table/page for the specifications.
CMS	= Average of CSs
ICPS	= (50% OSCE1) + (50% OSCE2)
SPS	= Score information is shown in below Scientific Projects Assessment Table.
FES	= Final Exam Score
ICES	= Incomplete Exam Score
TS *for students, who are exempted from FE*	= 96% of CMS + 4% of SPS
TS *for students, who are not exempted from FE*	= 96% of (60% of CMS + 40% of FES or ICES) + 4% of SPS

Pass or Fail Calculations of the Courses
Introduction to Clinical Sciences (ICS) III (MED 302)
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***
Introduction to Clinical Practise (ICP) III (MED 303)
Pass; *ICPS* **≥ *50***
Fail; *ICPS* **< *50***

The Assessment Procedure of the Phase III will be announced and explained in the introductory session at the beginning of the academic year.

Definitions of the Assessment Methods and Question Types

MCQ consist of a question, followed by five plausible alternative responses from which the student has to select the correct one.

EMQ are similar to multiple choice questions but with one key difference, that they test knowledge in a far more applied, in depth, sense. EMQ is based on a single theme, two or more questions and has a long option list.

MEQ is made up of one or more short answer questions. The student is provided with basic science or clinical information and then asked to write brief responses to one or more questions. When a series of questions is presented, additional information about the original problem can be provided at each subsequent step, guiding the students through an analytical process.

FSAQ, Fill-in-the-Blank Short Answer Questions are typically composed of a brief prompt that demands a written answer that varies in length from one or two words to a sentence.

OSCE describes a form of competency-based testing used to measure a student's clinical competence. During an OSCE, students are observed and evaluated as they go through a series of stations in which they interview, examine and treat simulated patients who present with some type of medical problem.

SCIENTIFIC PROJECTS – III

The purpose of Scientific Projects class is to teach the medical students how to run and complete a scientific project. Throughout the year, each Phase Three student is expected to realize their scientific project proposal presented during Phase II. Students who wish to apply for a "TUBITAK 2209-A National Grant Program for University Students" has to send in their final proposals before February 2019. The rest should hand in their proposal drafts during the small group studies which will be held in parallel with ICP hours. Please see the progam. The students lists for small group studies will be announced during the first week of educational year. All projects will be presented as posters at Scientific Day of Yeditepe School of Medicine, during May, 2019. Scientific Projects course has 4% contribution to Term Score (TS).

Please note that it is mandatory to attend to Small Group Study hours in the assigned group hours. A list of groups will be published during the first week of the term.

CRITERIA	**Unsatisfactory**	**Below Expectations**	**Meets Expectations**	**Above Expectations**	**Clearly Outstanding**	**Not Addressed / Observed**
Is the question/ problem presented clearly?	1	2	3	4	5	0
Creativity/originality of the Project	1	2	3	4	5	0
Project presentation in correct format	1	2	3	4	5	0
Presentation of aims/results/conclusion in an easy to understand format	1	2	3	4	5	0
Results and their interpretation clearly presented (graphics, statistics)	1	2	3	4	5	0
Does project explain the significance of results and their impact well?	1	2	3	4	5	0
Is result/conclusion clearly presented?	1	2	3	4	5	0
Correct writing of terminology and references	1	2	3	4	5	0
TOTAL POINTS	**40 x 2,5=100 pts (if all criteria has 5 points)**					

ELECTIVE COURSES

Elective courses aim to add complementary educational experiences to the medical school curriculum in order to improve comprehension of biopsychosocial approach of medical students, besides offering an opportunity to extend knowledge of interest in specific domains. For further information on elective course contents, please see: http://med.yeditepe.edu.tr/ders-programlari

The following courses (2 ECTS credits each) will be offered in Spring semester. Each student has to choose one of these elective courses. The selection and enrollment procedure will be announced by the phase coordinator.

Code	Subject		
MED 611	**Medical Anthropology**		
Goals	This course aims to provide, different perspectives of medical issues according to anthropological holistic approach for medical students. To present how social science interprets concepts of health, sickness, illness and disease. To show how culture bound symptoms can vary from culture to culture. To discuss all health problems are universal or cultural and how anthropology describes medical phenomenon by theoretically and methodologically.		
Content	To explain that what is anthropology? What is medical anthropology? What is the relationships between social science and medical? Why we need to be explain some concepts according to perspectives of medical anthropology? The meaning of symptoms: cultural bound symptoms, the personal and social meaning of illness, the stigma and shame of illness, What is the positioning of medical doctors for patients and caregivers; Doctor-Patient relations, patients associations, Biological Citizenship, Medicalized Selves, Biopolitics.		
Course Learning Outcomes	At the end of this course, the student should be able to emphasize cultural patterns of health. investigate how human behavior that lives in a society is affected by own cultural health patterns. discuss case studies about how cultural phenomenon affects human and public health. understand importance of health that is constructed within culture structure by human society. examine universal definition of health “state of complete physical, mental and social well-being” culturally. realize interaction between items of cultural system and health system basically; get into the level of knowledge, skills and attitudes		
Assessment		**NUMBER**	**PERCENTAGE**
	Assignments	1	100
	Total	1	**100**

Code	Subject		
MED 612	**Creative Drama**		
Goals	The aim of this course is the development of independence, creativity, self-control and problem-solving potential and the development of communication skills of medical students by using drama and creativity through improvisation of exercises		
Content	Discovering, learning and teaching approaches that are student-centered in a curiosity focused setting with various cognitive and active learning styles.		
Course Learning Outcomes	At the end of this course, the student should be able to show drama skills in vocational areas benefiting from access to creativity, collaboration and empathy which are the ways of learning through play and improvisation.		
Assessment		**NUMBER**	**PERCENTAGE**
	Assignments	1	50
	Final Examination	1	50
	Total		**100**

Code	Subject		
MED 613	**Medical Humanities**		
Goals	This course aims to offer a wide variety of subjects related with art, history, cultural values, social movements, philosophy and many other areas. Main targets of this course are to improve Professionalism and Communication Skills and to support the students to develop an understanding about human and his interaction with universe.		
Content	Main concepts of professionalism such as altruism, accountability, excellence, duty, honor and integrity, respect for others and communication skills will be covered through the lectures of history of medicine in an anthropological concept, medicine in literature and visual arts, and cinemeducation.		
Course Learning Outcomes	At the end of this course, the student should be able to gain an understanding of the history of medicine as one of social and cultural transformation in the conception of professionalism, disease and what constitutes illness and health through the centuries. develop the skills to write an essay using primary source documents in the context of the history of medicine. gain view of different reflections of medicine in literature and visual arts. develop a point of view to use literature and visual arts as an imagination instrument of compassion, to tolerate ambiguity, to dwell in paradox, to consider multiple points of view. develop better observational and interpretive skills, by using the power of visual arts to elicit an emotional response in the observer. gain understanding about the main values and various dimensions of professionalism. gain insight about his/her own values and develop humanistic values. develop a deeper understanding of human being in various contexts. gain understanding about the various factors which influence health in individual and community level. gain understanding to use films as a comprehensive guide in medical practice. reflect through films to improve their cognitive and emotional awareness.		
Assessment		**NUMBER**	**PERCENTAGE**
	Assignments	1	50
	Final Examination	1	50
	Total		**100**

Code	Subject		
MED 614	**Personal Trademark Development**		
Goals	The aim of this course is to equip the students with skills in creating personal image for successful business life and with appropriate behavior in social platforms.		
Content	Business Etiquette creation techniques and personal image methodologies with case studies.		
Course Learning Outcomes	At the end of this course, the student should be able to create personal brand for successful business life. use behavioral codes for business etiquette.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	3	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		**100**

Code	Subject		
MED 615	**Innovation Management**		
Goals	The aim of this course is to convey to the students knowledge on innovative approaches for visionary life, describe the philosophy of futurism.		
Content	Strategies for futurism and applied case studies for personal innovation.		
Course Learning Outcomes	At the end of this course, the student should be able to use futuristic strategies to create innovative approaches. use innovative and creative thinking techniques in professional life.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	5	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total	8	**100**

Code	Subject		
MED 616	**Medical Management and New Services Design Skills**		
Goals	The aim of this course is to develop leadership skills to manage a team and organizational skills in the case of emergency and lack of crew. Moreover, empathy skills will be developed to create better relationship with the patients, coworkers and customers.		
Content	Leadership Styles, Skills needed in Med, Strategies for New Generation Leadership, Empathy Techniques, Problem Solving with Empathy, and Conciliation with Empathy.		
Course Learning Outcomes	At the end of this course, the student should be able to develop leadership skills to manage teams. use empathy techniques for conciliation with their patients and co-workers.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	4	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		**100**

Code	Subject		
MED 617	**Personal Brand Management Skills**		
Goals	This course aimes to teach how to deal with stress under different conditions. Besides, effective production skills under stress and time constraints will be subject of the course. This course also will be very helpful for career development. The tools will be offered to students for better communication, presentation and managerial skills.		
Content	In the content of this course; stress and time management for effective production, personal goal settings, motivation and effective communication will be used. Breathing techniques, diction exercises and body language will help to improve student's personal development. Moreover, managerial skills development subjects will be held. Presentations and homework will be used as effective learning tools in this course.		
Course Learning Outcomes	At the end of this course, the student should be able to apply stress and time management skills in their personal development and career.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	4	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		**100**

Code	Subject		
MED 619	**Entrepreneurship and Storytelling Techniques for Business Purposes**		
Goals	This course aims to equip students with storytelling techniques to make smart decisions, communicate better, think creatively and use this modern technique to manage their professional relations.		
Content	Strategies for storytelling techniques and applications.		
Course Learning Outcomes	At the end of this course, the student should be able to use storytelling techniques in workplace to make decisions, communicate better and think creatively.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	5	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		100

Code	Subject		
MED 620	**Art, Culture and Life Styles**		
Goals	Healthcare members will have high level social status for their business life; and will join several international conferences. This course aims to develop their social and intellectual skills to make them global citizens with art, culture, fashion and life style knowledge.		
Content	Life Style Coaching for participants, Cultural Festivals Through Europe, Art Exhibitions and Movements, Sportive Life Coaching.		
Course Learning Outcomes	At the end of this course, the student should be able to develop intellectual wealth and cultural knowledge. change their life styles for better perspective. increase quality of life. establish work-life balance.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam	1	25
	Assignments (Homework)	1	25
	Evaluation of Group Presentations	1	5
	Final Exam	1	45
	Total		**100**

Code	Subject		
MED 621	**Epidemiological Research and Evidence Based Medicine**		
Goals	The aim is to provide understanding of epidemiological language and terminology by reading, examining and discussing various types of epidemiological research papers and to develop the desire and enthusiasm for epidemiological studies.		
Content	Different sessions for each type of epidemiological research will be held. The selected research types are case report, cross-sectional, case- control, cohort study, and randomized controlled trial.		
Course Learning Outcomes	At the end of this course, the student should be able to comprehend various types of epidemiological research. explain basic epidemiological terminology.		
Assessment		**NUMBER**	**PERCENTAGE**
	Group work performance		50
	Presentations		50
	Total		**100**

Code	Subject		
MED 622	**Application of Economics in Health Care**		
Goals	This course aims to teach the essentials of economics and its' core concepts' relevance with health-care.		
Content	Tools and concepts of traditional Microeconomics Theory, health production function, cost & benefit analysis, demand for health insurance and health care markets.		
Course Learning Outcomes	At the end of this course, the student should be able to • explain the applications of micro-economic theories in health related areas. • discuss the causes of market failure. • list the factors effecting the demand for health. • explain health insurance supply and demand. • analyse how health care market operates.		
Assessment		**NUMBER**	**PERCENTAGE**
	Mid-terms	1	80
	Quizzes, Homeworks	5	5
	Attendance	14	15
		Total	100
	Contribution of Final Examination to Overall Grade		45
	Contribution of In-Term Studies to Overall Grade		55
		Total	100

Code	Subject		
MED 623	**Visual Presentation in Medicine**		
Goals	This course aims to teach to design visual aids that are to be used in medical case presentations in computerized systems with Adobe CS Photoshop and Powerpoint programs.		
Content	Understanding of verbal & technological presentation methods/tools to be used in medical case presentations. Computerized design tools like Adobe CS Photoshop and PowerPoint will be taught in computer labs to participants.		
Course Learning Outcomes	At the end of this course, the student should be able to • recognize and applies main design principles • design visual materials • use Adobe CS Photoshop and PowerPoint in basic level • manage the presentation program PowerPoint • perform visual designs and presents projects using these programs • criticize the images used in the media		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam	1	20
	Presentation	2	40
	Project	1	40
	Final EXAM		
		Total	100
	Contribution of Final Examination to Overall Grade		60
	Contribution of In-Term Studies to Overall Grade		40
		Total	100

Code	Subject
MED 624	**Narrative Medicine**
Goals	This course aims to build close reading skills and to develop approaches to reflective writing in the clinical setting. To equip with a capacity to read deeply, extensively, and rigorously the clinical setting and conditions of the cases so as to recognize the writer/artist and (here, the dividend) the reader/ the viewer opinions comparatively.
Content	The care of the sick unfolds in stories. The effective practice of healthcare requires the ability to recognize, absorb, interpret, and act on the stories and plights of others. Medicine practiced with narrative competence is a model for humane and effective medical practice. It addresses the need for patients and caregivers to voice their experience, to be heard and to be valued, and it acknowledges the power of narrative to change the way care is given and received. Narrative Medicine empowers the overarching goals of medicine, public health, and social justice, as well as the intimate, interpersonal experiences of the clinical encounter. There is a seminar part of the course, and the workshop will be an interactive session. The instructor helps students to discuss art pieces with some questions. At the end of the session, a project is given to write a reflective piece in a limited time. The writings could be shared depending on the writers' will and feedbacks are provided as a class by using close reading techniques. Artworks (literary works such as poetry, story, novels, visual artworks such as paintings, photographs, movies, comic books, or music) will be shared by the instructor.
Course Learning Outcomes	At the end of this course, the student should be able to • improve their close reading skills for medical narratives in the clinical setting. • recognize their emotions and learn emotional honesty by learning and experiencing a reflective writing approach • learn to understand/ listen/recognize more closely the artistic narratives and the clinical narratives as well. • develop a humanistic attitude such as compassion, tolerance for diversity and social justice in the clinic setting. • understand how important the creativity is to a clinician. • understand how the humanities and humanistic values influence and protect the clinician in the clinical setting. • recognize, understand and express their own feelings. • gain skills in telling, listening and understanding the illness experiences. • learn to increase the communication skills between the patient-physician and learn empathy in the clinical setting • gain new skills for a humanistic and effective healthcare service • understand the importance of writing for a clinician for understanding the self and expressing the self.

Assessment

	NUMBER	PERCENTAGE
Midterm		
Assignments/weekly feedbacks	1	50
Final Examination	1	50
	Total	100
Contribution of Final Examination to Overall Grade	1	50
Contribution of In-Term Studies to Overall Grade	1	50
	Total	100

Code	Subject
MED 627	**Presentation of Medicine on Media**
Goals	This course aims to teach deep understanding to approaches & visual methods/tools available as community communication media in conveying medical knowledge. To analyze technical features and to develop an understanding of aesthetics behind. To develop skills in conveying messages presented via media tools.
Content	Sensual and perceptual theories of visual communication. Analysis and reading the meaning of the images presented in the media as a PR tool.
Course Learning Outcomes	At the end of this course, the student should be able to • recognize the meaning of the visual literacy as intellectual property • describe the physical features of the light and theory of vision • analyze the images with the help of sensual and perceptual theories such as Gestalt, Constructivism, Semiology and Cognitive Approach. • recognize the differences between advertising, journalism and public relations. • describe the historical and cultural stereotypes used in the media • interpret images in the media (such as typography, graphic design, infographics, photography, TV, computer, internet) in technical, historical, cultural, ethical and critical aspects.

		NUMBER	PERCENTAGE
Assessment	Midterm Exam	1	70
	Homework	1	30
		Total	100
	Contribution of Final Examination to Overall Grade		60
	Contribution of In-Term Studies to Overall Grade		40
		Total	100

Code	Subject
MED 628	**Healthy Living: The Milestones of the Life for Performance Management**
Goals	This course aims to support fitness practices & dietary habits of healthy life style for medical students. To introduce techniques for reducing stress with healthy living habits. To highlight the importance of superior physical and mental health status for a better job performance.
Content	In the content of this course; understanding physiology of the physical activities, risks and benefits of the regular physical activities, using fitness training as a treatment technique, effects of physical activities to reduce stress, the relation between dietary habits and health will have quite importance.
Course Learning Outcomes	At the end of this course, the student should be able to • explain main exercise physiology • define main fitness terms • analyze main risks and benefits of exercising • relate health and eating habits • perform main fitness training techniques • manage the basic exercises necessary for healthy life • perform physical techniques which are frequently used in stress management • explain the relationship between health and nutrition • describe the principles of healthy eating • recognize exercise as a treatment method for common diseases in the community

		NUMBER	PERCENTAGE
Assessment	Midterm Project	1	25
	Homework	1	25
	Final Project	1	50
		Total	100
	Contribution of Final Examination to Overall Grade		50
	Contribution of In-Term Studies to Overall Grade		50
		Total	100

Code	Subject
MED 629	**Music and Medicine**
Goals	This course aims to convey the past and current uses and utilities of music in medicine.
Content	The connection of music and medicine throughout the historical development of antiquity and Middle Ages up until today. The place of music in medical practice after the transformations in the Age of Enlightenment and beyond.
Course Learning Outcomes	At the end of this course, the student should be able to • explain the uses of medicine in the past and present. • describe the uses of music in clinical conditions, and before and after surgical treatment. • explain the effects of music before and after surgery • describe the types of music used in music therapy

		NUMBER	PERCENTAGE
Assessment	Midterm	1	25
	Assignments (Homework)	1	25
	Final Exam		50
		Total	100
	Contribution of Final Examination to Overall Grade		50
	Contribution of In-Term Studies to Overall Grade		50
		Total	100

Code	Subject
MED 630	**Health Law**
Goals	The aim of the course is that students obtain a legal rationale, take ethical decisions from a legal perspective, act in a respectful way to patients' rights, legal risks and responsibilities.
Content	The basic concepts of law will be introduced with a view towards health law. The legal nature of medical interventions, concepts of malpractice and complication will be explained. The fundamentals and consequences of legal and criminal liability will be emphasized and medical interventions showing ethical, and legal characteristics will be evaluated from a legal point of view.
Course Learning Outcomes	At the end of this course, the student should be able to • analyze legislature and by-laws related to health law • distinguish branches and consequences of legal responsibility • in taking decisions about patients, help them to make their own decisions in a proper way by respecting their right to self-determination and their privacy. • take ethical decisions from a perspective of patients' rights and legal responsibility • identify legal risks in the developing areas of health law

		NUMBER	PERCENTAGE
Assessment	Assignment / presentation	1	50
	Final EXAM	1	50
		Total	100
	Contribution of Final Examination to Overall Grade		50
	Contribution of In-Term Studies to Overall Grade		50
		Total	100

Code	Subject		
MED 631	**Creative Drama II**		
Goals	This course aims the development of body awareness, improvement of communication skills of students by creating an atmosphere where the students can explore the potential of their emotional intelligence.		
Content	In this class, the students will be searching for their abilities for self-representation and being visible in society and going into an active learning process by experiencing image theatre, invisible theatre, newspaper theatre and forum theatre techniques		
Course Learning Outcomes	At the end of this course, the student should be able to • build supportive relationships in group by improving personal cooperating skills. • recognize personal awareness, • explain and review the schemes of personal attitude, thought and feeling by playing games and different roles. • improve critical and creative ways of thinking skills, also improve skills for life-long learning which will be useful for professional life as well as personal life. • explore being visible and expressing oneself in front of spectators using games and storytelling techniques.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm	1	25
	Performance evaluation	5	25
	Final EXAM		50
		Total	100
	Contribution of Final Examination to Overall Grade		50
	Contribution of In-Term Studies to Overall Grade		50
		Total	100

EXAM RULES

- **Seating-** Students will be seated by the exam observers or proctors. Students are not allowed to change their seats without permission.
- **Electronics** – During examinations or tests, students are prohibited from using electronic devices or any other means of communication and recording that have not been approved beforehand. All electronic devices are prohibited. Anyone who fails to comply with these regulations may be charged with academic fraud.
- **Absence** – No additional time will be given to students who are absent for part of the exam, regardless of the reason for their absence.
- **Scratch Paper** – Students are not allowed to bring scratch paper into the exam room.
- **Meaning of Questions** – Students may not consult the supervisor as to the meaning of any question.
- **Signature** – Students must sign their multiple-choice answer sheets and/or written-answer sheets.

- **Other activities requiring disciplinary action**-
    - Students must not give or receive Asstance of any kind during the exam.
    - Gaining access to exam questions before the exam.
    - Using an unauthorized calculator or other mechanical aid that is not permitted.
    - Looking in the exam book before the signal to begin is given.
    - Marking or otherwise writing on the exam book or answer sheet before the signal to begin is given.
    - Making any changes, additions, deletions or other marking, erasing or writing on the exam book or answer sheet after the time for the exam has expired.
    - Having access to or consulting notes or books during the exam.
    - Looking at or copying from another student's paper.
    - Enabling another student to copy from one's paper.
    - Talking or otherwise communicating with another student during the exam or during the read through period.
    - Disturbing other students during the exam.
    - Consulting other persons or resources outside the exam room during the exam.
    - Copying questions or answers either on paper or with an electronic device to take from the exam room.
    - Taking an exam book or other exam materials from the exam room.
    - Taking an exam in place of another student.
    - Arranging to have another person take an exam for the student.
    - Disobeying to the conduct of supervisor during the exam.
    - Disclosing the contents of an exam to any other person.
    - Failing to remain in the exam room for a given period of time by the supervisors.
    - Failing to follow other exam instructions.

Those students found to have committed academic misconduct will face administrative sanctions imposed by the administration of Yeditepe University Faculty of Medicine according to the disciplinary rules and regulations of the Turkish Higher Education Council (YÖK) for students (published in the Official Journal on August 18th, 2012). The standard administrative sanctions include, the creation of a disciplinary record which will be checked by graduate and professional life, result in grade "F" on the assignment, exams or tests or in the class. Students may face suspension and dismissal from the Yeditepe University **for up to one school year**. In addition, student may loose any academic and non academic scholarships given by the Yeditepe University **for up to four years**. The appropriate sanctions are determined by the Yeditepe University administration according to egregiousness of the Policy violation.

COURSE LOCATIONS

COURSE CODES	COURSE NAMES	LOCATIONS
MED 302	Introduction to Clinical Sciences	**Lectures/Sessions/Panels:** Room Number: B310, Base Floor, Medical Faculty Block, Yeditepe University Campus. **Microbiology Laboratory:** Room Number: 934, 5th Floor, Medical Faculty Block, Yeditepe University Campus. **Pathology Laboratory:** Room Number: 929-930, 5th Floor, Medical Faculty Block, Yeditepe University Campus.
MED 303	Introduction to Clinical Practice	**ICP-CSL:** Room Number: 442, Base Floor, Medical Faculty Block, Yeditepe University Campus. **YH:** Yeditepe University Hospital.

Yeditepe University Campus Address: İnönü Mah. Kayışdağı Cad. 26 Ağustos Yerleşimi, 34755, Ataşehir, İstanbul.

Yeditepe University Hospital Address: İçerenköy Mah. Hastane Yolu Sok. No:102-104. Ataşehir, İstanbul.

ACADEMIC CALENDAR of PHASE III 2018 - 2019

INTRODUCTION TO CLINICAL SCIENCES (MED 302)

COMMITTEE I

INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEMS (7 Weeks)

Beginning of Committee	September 10, 2018	Monday
End of Committee	October 26, 2018	Friday
Committee Exam	**October 26, 2018**	**Friday**

COMMITTEE II

CARDIOLOGY AND RESPIRATORY SYSTEM (6 Weeks)

Beginning of Committee	October 30, 2018	Tuesday
End of Committee	December 7, 2018	Friday
Committee Exam	December 7, 2018	**Friday**

National Holiday	**October 28$^{1/2}$, 2018** **October 29, 2018**	**Sunday, Monday**
Commemoration of Atatürk	**November 10, 2018**	**Saturday**

COMMITTEE III

GASTROINTESTINAL SYSTEM (4 Weeks)

Beginning of Committee	December 10, 2018	Monday
End of Committee	January 4, 2019	Friday
Committee Exam	**January 4, 2019**	**Friday**

New Year	**January 01, 2019**	**Tuesday**

COMMITTEE IV

ENDOCRINE, REPRODUCTIVE AND URINARY SYSTEM (9 Weeks)

Beginning of Committee	January 7, 2019	Monday
End of Committee	March 22, 2019	Friday
Committee Exam	**March 22, 2019**	**Friday**

MIDTERM BREAK	**January 28 – February 8, 2019**	
Physicians' Day	**March 14, 2019**	**Thursday**

COMMITTEE V

NERVOUS SYSTEM and PSYCHIATRY (7 Weeks)

Beginning of Committee	March 25, 2019	Monday
End of Committee	May 10, 2019	Friday
Committee Exam	May 10, 2019	**Friday**

National Holiday	**April 23, 2019**	**Tuesday**
Labour's Day	**May 01, 2019**	**Wednesday**

COMMITTEE VI
MUSCULOSKELETAL SYSTEM (5 Weeks)

Beginning of Committee	May 13, 2019	Monday
End of Committee	June 12, 2019	Wednesday
Committee Exam	June 12, 2019	**Wednesday**
National Holiday	**May 19, 2019**	**Sunday**
Religious Holiday	**June 4$^{1/2}$ – 7, 2019**	**Tuesday-Friday**

Introduction to Clinical Sciences (MED 302):

Make-up Exam	**June 17, 2019**	**Monday**
Final Exam	**June 28, 2019**	**Friday**
Incomplete Exam	**July 19, 2019**	**Friday**

Introduction to Clinical Practice – III (MED 303):

Beginning of ICP - III	October 2, 2018	Tuesday
End of ICP - III	May 24, 2019	Friday
Midterm Exam (OSCE-I)	**February 12-13, 2019**	**Tuesday-Wednesday**
Make-up Exam	**Mayıs 23, 2019**	**Thursday**
Final Exam (OSCE-II)	**June 13-14, 2019**	**Thursday - Friday**
Incomplete Exam	**July 1, 2019**	**Monday**

Free Elective Courses:

Beginning of Elective Courses	February 14, 2019	Thursday
End of Elective Courses	May 23, 2019	Thursday
Midterm Exam	**Apr 4, 2019**	**Thursday**
Final Exam	**May 27, 2019**	**Monday**
Incomplete Exam	**June 18, 2019**	**Tuesday**

1. Coordination Committee Meeting	October 17, 2018	**Wednesday**
2. Coordination Committee Meeting	January 9, 2019	**Wednesday (with student participation)**
3. Coordination Committee Meeting	May 8, 2019	**Wednesday (with student participation)**
4. Coordination Committee Meeting	July 17, 2019	**Wednesday**

RECOMMENDED 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-13: 978-1-4698-8756-2; ISBN-10: 1-4698-8756-8
2. Katzung, Bertram G., Masters, Susan B., Trevor Anthony J. Katzung's Basic & Clinical Pharmacology. 13th Edition. McGraw Hill Companies, 2015. ISBN-13: 978-0071825054
ISBN-10: 0071825053
3. Brunton, Laurence, Chabner, Bruce, Knollman, Bjorn. Goodman&Gilman's The Pharmacological Basis of Therapeutics. Editors: 12th Edition. McGraw Hill Companies, 2011. ISBN-13: 978-0071624428

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. Robbıns Basıc Pathology. 9th edition, Saunders, Elsevıer 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. Brunicardi, 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

COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM

DISTRIBUTION of LECTURE HOURS

September 10, 2018 - October 26, 2018

COMMITTEE DURATION: 7 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	INFECTIOUS DISEASES	ID	20				**20**
	MEDICAL MICROBIOLOGY	MM	10		2 X 1=2 (4 Groups)		**12**
	PHARMACOLOGY	PC	21				**21**
	PATHOLOGY	PT	12			2	**14**
	BIOMEDICAL ETHICS & DEONTOLOGY	BED	12				**12**
	HEMATOLOGY	HEM	11				**11**
	PUBLIC HEALTH	PH	8				**8**
	IMMUNOLOGY	IMM	6				**6**
	MEDICAL GENETICS	MG	5				**5**
	PEDIATRICS	PED	5				**5**
	PATHOPHYSIOLOGY	PP	4				**4**
	PHYTOTHERAPY	PHY	3				**3**
	BIOSTATISTICS	BS	3				**3**
	ONCOLOGY	ONC	3				**3**
	FAMILY MEDICINE	FM	1				**1**
	EMERGENCY MEDICINE	EM	1				**1**
	SCIENTIFIC PROJECTS-III	SP				2	**2**
	INTERDISCIPLINARY	MCDP				2	**2**
	TOTAL		125		2	6	**133**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			2 X 3=6 (4 Groups)		**6**
TOTAL			**125**		**8**	**6**	**139**

Coordination Committee

HEAD	Meral Sönmezoğlu, MD, Prof.
SECRETARY	Ayşegül Kuşkucu, MD, Assist. Prof.
MEMBER	Hülya Sarıçoban, MD, Assoc. Prof.
MEMBER	Mustafa Ferudun Çelikmen, MD, Assist Prof.
MEMBER	Atilla Özkan, MD, Assoc. Prof.

COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
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. Ferda Özkan, MD, Prof.
HEMATOLOGY	Atilla Özkan, MD, Assoc.Prof.
PEDIATRICS	Sabri Kemahlı, MD, Prof Hülya Sarıçoban, MD, Assoc. Prof. S. Perihan Saf, MD
PUBLIC HEALTH	Erol Sezer, MD, Prof Hale Arık Taşyıkan, MD, Assist. Prof
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu Lutz, Assoc. Prof.
FAMILY MEDICINE	Güldal İzbırak, MD, Assoc.Prof.
EMERGENCY MEDICINE	Mustafa Ferudun Çelikmen, MD, Assist Prof.
BIOISTATISTICS	Çiğdem Altunok, PhD, Assist. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Assist. Prof.
PHYTOTHERAPY	Erdem Yeşilada, PhD, Prof.
ONCOLOGY	Okan Kuzhan, MD, Prof.
IMMUNOLOGY	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.
SCIENTIFIC PROJECTS-III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Mustafa Ferudun Çelikmen, MD, Assist. Prof. Pınar Tura, MD, Assist. Prof. Vildan Öztürk, MD, Assist. Prof. Zeynep Alkan, MD, Assist. Prof. Sevtap Akbulut, MD Assist. Prof. Serdar Özdemir, MD, Assist. Prof. Mustafa Yazıcıoğlu, MD. Cem Şimşek, MD. Merve Ekşioğlu, MD. Deniz Gürsoy, MD.

COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM
AIMS and LEARNING OBJECTIVES

INFECTIOUS DISEASES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on structures of agents that cause infectious 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,
2. ***to convey*** knowledge on epidemiology of infectious 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. ***to convey*** knowledge on pathogenesis mechanisms of agents that cause infectious 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,
4. ***to convey*** necessary knowledge on prevention of infectious clinical conditions, and protection or improvement of health against these conditions,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in infectious 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,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing infectious 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, at the level of primary health care service,
7. ***to convey*** necessary knowledge on pharmacology of drugs used in infectious 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,
8. ***to convey*** necessary knowledge on ethical problems encountered in health care service and utilization, and on principles of solutions,
9. ***to convey*** biostatistical knowledge required in design of medical research,
10. ***to convey*** necessary knowledge on genetical basis of clinical conditions,
11. ***to equip with*** basic clinical skills, (intravenous injection on phantom model), required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***explain*** basic characteristics of infectious 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,
2.1. ***recall*** structures, and
2.2. ***explain*** mechanisms of pathogenesis of agents (bacteria, viruses, fungi, parasites, prions) that cause infectious 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,
3.0. ***classify*** infectious 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, based on causative agents and systems,

4.0. ***explain*** mechanisms of change in structure and function at molecular, cellular, tissue, system, multi-system and organismal levels in infectious 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,

5.0. ***explain*** mechanisms of host immune response to and consequences in infectious 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,

6.0. ***explain*** epidemiology of infectious 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,

7.0. ***explain*** requirements for prevention of infectious clinical conditions, and protection or improvement of health against these conditions, in healthy or susceptible individual or community,

8.0. ***explain*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in infectious 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,

9.0. at multi-system level or related to a body system,

- for healthy conditions in an individual or community with a request against infectious clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for infectious 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices which are required for management at primary health care service level:

9.1. practice of history taking and physical examination

9.2. evaluation of emergency case (sepsis and septic shock-C1)

9.3. approach to healthy individual or patient (fever-C1)

9.4. laboratory tests/examinations (urine sample collection-C1, urine strip/dipstick test-C1, urine culture-C1)

9.5. imaging tests/examinations (nuclear medicine tests in infectious diseases-C1)

9.6. point of care testing (urine strip/dipstick test-C1)

9.7. making preliminary diagnosis or definitive diagnosis decision

9.8. making non-intervention or intervention decision

9.9. practicing non-intervention or intervention

9.10. referral/transport of healthy individual or patient

10.1.***list*** goals and principles of drug use,

10.2.***describe*** effects,

10.3.***explain*** mechanism of action (pharmacodynamics),

10.4.***list*** indications, contraindications, pharmacological features, pharmacokinetic characteristics, drug-drug inreactions and side effects,

10.5.***explain*** resistance mechanisms of drugs (principles of antimicrobial chemotherapy, antibacterial, antifungal, antiviral, antiprotozoal, antihelmintic drugs, antiseptics and disinfectants) used in infectious clinical conditions,

11.0. ***explain*** interactions of health conditions (healthy and clinical conditions) at individual, family and community levels in relation to infectious agents, and importance of infectious agents and infectious clinical conditions from the aspect of public health,

12.0.***define*** approaches (education, santitation, hygiene, disinfection/antisepsis/sterilization, screening, surveillance, vaccination, prophylaxis, isolation, design/renovation) to control risks in infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health,

14.0. ***explain*** hereditary immune system disorders,

15.0.***explain*** ethical problems (violation of truthfulness, responsibilities of physician and patient, allocation of scarce resources) encountered in health care service and utilization, and principles of solutions,

16.0. ***define*** biostatistical knowledge required in design of medical research (research design, planning medical research,
17.0. ***perform*** basic clinical skills, practiced on phantom models (intravenous injection-C1), required at primary health care service level.
18.0.***explain*** ethical problems (violation of truthfulness, responsibilities of physician and patient, allocation of scarce resources) encountered in health care service and utilization, and principles of solutions,
19.0. ***define*** biostatistical knowledge required in design of medical research (research design, planning medical research,
20.0. ***perform*** basic clinical skills, practiced on phantom models (intravenous injection-C1), required at primary health care service level.

HEMATOPOIETIC SYSTEM

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of hematopoietic system,
2. ***to convey*** knowledge on etiopathogenesis of 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 related to cardiovascular and respiratory systems,
3. ***to convey*** knowledge on epidemiology of 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 related to hematopoietic system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to hematopoietic system,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to hematopoietic system,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to hematopoietic system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** knowledge on pharmacology of drugs that are effective on hematopoietic system or on clinical conditions involving hematopoietic system,
8. ***to convey*** knowledge on phytotherapeutic agents that have immune-modulatory effects,
9. ***to convey*** basic knowledge on phytotherapy
10. ***to convey*** knowledge on comparative biostatistical analysis of study groups,
11. ***to equip with*** basic and advanced clinical skills (arterial blood sample collection-C3) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1. ***recall*** anatomy, histology and physiology of hematopoietic system,
2. ***explain*** etiopathogenesis of clinical conditions (hematological syndromes, disorders and diseases, lenforeticular infections) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to hematopoietic system,
3. ***explain*** epidemiology of 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 related to hematopoietic system,

4. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to hematopoietic system,
5. ***describe*** mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to hematopoietic system,
6. at multi-system level and/or related to hematopoietic system,
   - for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
   - in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
   - 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

6.1. practice of history taking and physical examination
6.2. evaluation of emergency case
6.3. approach to healthy individual or patient (anemia-C3, lymphadenopathy-C3)
6.4. laboratory tests/examinations (peripheral/venous blood collection for hematology tests-C3, hematology tests for anemia-C3)
6.5. imaging tests/examinations (nuclear medicine tests in hematology-C3)
6.6. point of care testing (hematology-peripheral blood smear examination-C3, hematology-complete blood count-)
6.7. making preliminary diagnosis or definitive diagnosis decision
6.8. making non-intervention or intervention decision
6.9. practicing non-intervention or intervention
6.10. referral/transport of healthy individual or patient

7. ***classify*** blood products and blood groups,
8. ***define*** principles of transfusion,
9. ***explain*** pharmacology of drugs (antianemic drugs, antineoplastic drugs, hematostatic drugs and blood products, immunomodulators) that are effective on hematopoietic system or on clinical conditions involving hematopoietic system,
10. ***explain*** mechanisms of bone marrow toxicity of drugs and other chemicals,
11. ***list*** principles of cancer chemotherapy,
12. ***explain*** chemotherapy in leukemia and lymphoma,
13. ***list*** phytotherapeutic agents with immunomodulatory effects,
14. ***list*** principles of comparative biostatistical analysis of study groups,
15. **perform** basic clinical skills, practiced on phantom models (arterial blood sample collection-C3), required at primary health care service.
16. ***explain*** basic knowledge on phytotherapy (basic concepts and terms, uses in modern medicine, regulations, standardization and quality control),

COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM

COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MED 302 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE I - INFECTIOUS DISEASES & HEMATOPOIETIC SYSTEM						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**DISCIPLINE**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
1.0, 2.0.,3.0. (4.0.-12.0.)	ID	M. Sönmezoğlu	14	6	6	26
1.0, 2.0.,3.0. (4.0.-12.0.)		A. Ç. Büke				
1.0, 2.0.,3.0. (4.0.-12.0.)	MM	İ. Ç. Acuner	7	3	3	13
10.0.	PC	E. Genç	15	4	4	23
10.0.		E.N. Özdamar				
4.0.,5.0.	PT	A. Sav	9	4	4	17
4.0.,5.0.		F. Özkan				
15.0.	BED	E. Vatanoğlu Lutz	9	4	4	17
	HEM	H. A. Özkan	8	3	3	14
6.0.,7.0.,11.0.,12.0.	PH	R. E. Sezer	6	2	2	10
6.0.,7.0.,11.0.,12.0.		H. A.Taşyıkan				
	IMM	G. Y. Demirel	4	2	2	8
14.0.	MG	A. Ç. Kuşkucu	4	2	2	8
8.0.,9.0., 9.1.	PED	S. Kemahlı	4	2	2	8
8.0.,9.0., 9.1.		H. Sarıçoban				
4.0.,5.0.,8.0.	PP	M. Kaçar	2	1	1	4
	PHY	E. Yeşilada	2	1	1	4
16.0.	BS	Ç. Altunok	2	1	1	4
	ONC	O. Kuzhan	2	1	1	4
9.3., 6.0.-9.0.,11.0.,12.0.	FM	G. İzbırak	1	0	0	1
9.2.	EM	M. F. Çelikmen	1	0	0	1
TOTAL			90	36	36	162
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
1.0, 2.0.,3.0. (4.0.-12.0.)	IDCM	M. Sönmezoğlu/ A.Ç. Büke	2	-	-	2
10.0.	PC	E. Genç	1	-	-	1
	HEM	H. A. Özkan	1	-	-	1
4.0.,5.0.	PT	F. Özkan	1	-	-	1
		TOTAL	5	-	-	5

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts:points**

*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

Abbreviations

MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
****39** out of 200 FE and ICE MCQs will be from Committee I (Each question is of worth **0.5** pts).

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM

WEEK I / 10 - 14 Sep 2018

	Monday 10-Sep-2018	Tuesday 11-Sep-2018	Wednesday 12-Sep-2018	Thursday 13-Sep-2018	Friday 14-Sep-2018
09.00- 09.50	**Introduction to Phase III**	**Lecture** Introduction to Anemias in Childhood S. Kemahlı	**Lecture** Introduction to Hemolytic Anemias Thalassemias and Hemoglobinopathies (Sickle Cell Anemia and Others) S. Kemahlı	**Independent Learning**	**Lecture** Semiology-I A.Ç. Büke
10.00- 10.50	**Lecture** Pathophysiology of Infectious Diseases I M. Kaçar	**Lecture** Antimicrobial Agents: Basic Concepts & Principles I İ.Ç. Acuner	**Lecture** Hemophilia and other Coagulopathies in Childhood S. Kemahlı	**Independent Learning**	**Lecture** Semiology-II A.Ç. Büke
11.00- 11.50	**Lecture** Pathophysiology of Infectious Diseases II M. Kaçar	**Lecture** Antimicrobial Agents: Basic Concepts & Principles II İ.Ç. Acuner	**Lecture** Vancomycin & Other Cell Wall Synthesis Inhibitors E. Genç	**Independent Learning**	**Lecture** Parasitic Infections I A.Ç. Büke
12.00- 12.50	**Lecture** Laboratory Diagnosis of Infectious Diseases I İ.Ç. Acuner	**Lecture** Introduction to Antimicrobial Chemotherapy E. Genç	**Lecture** Fungal and Parasitic Skin and Soft Tissue Infections M. Sönmezoğlu	**Independent Learning**	**Lecture** Antimycobacterial Drugs E. Genç
12.50 - 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Laboratory Diagnosis of Infectious Diseases II İ.Ç. Acuner	**Lecture** Laboratory Diagnosis of Infectious Diseases IV Microbiology Lecturer	**Lecture** ß Lactam Antibiotics I E. Genç	**Independent Learning**	**Lecture** Public Health and Communicable Diseases-I R.E. Sezer
15.00- 15.50	**Lecture** Laboratory Diagnosis of Infectious Diseases III İ.Ç. Acuner	**Lecture** Laboratory Diagnosis of Infectious Diseases V Microbiology Lecturer	**Lecture** ß Lactam Antibiotics II E. Genç	**Independent Learning**	**Lecture** Public Health and Communicable Diseases-**II** R.E. Sezer
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Lecture** Antimicrobial Agents: Mechanisms of Resistance I Microbiology Lecturer	**Independent Learning**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Lecture** Antimicrobial Agents: Mechanisms of Resistance II Microbiology Lecturer	**Independent Learning**	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM
WEEK II / 17-21 Sep 2018

	Monday 17-Sep-2018	Tuesday 18-Sep-2018	Wednesday 19-Sep-2018	Thursday 20-Sep-2018	Friday 21-Sep-2018
09.00- 09.50	**Independent Learning**	**Lecture** Hospital Infection M. Sönmezoğlu	**Lecture** Aminoglycosides E. Genç	**Independent Learning**	**Lecture** Pathophysiology of Infectious Diseases III M. Kaçar
10.00- 10.50	**Independent Learning**	**Lecture** Febril Neutropenia M. Sönmezoğlu	**Lecture** Sulfonamides, Chloramphenicol & Tetracyclines E. Genç	**Independent Learning**	**Lecture** Pathophysiology of Hematopoietic System Disorders I M. Kaçar
11.00- 11.50	**Lecture** Pathology of Mycobacterial Infections A. Sav	**Lecture** Occupational Health Hazards I A.Ç. Büke	**Lecture** Bacterial and Viral Skin & Soft Tissue Infections M. Sönmezoğlu	**Independent Learning**	**Lecture** Prevention and Control of Communicable Diseases I R.E. Sezer
12.00- 12.50	**Lecture** Introduction to the Program of Family Medicine G. İzbırak	**Lecture** Occupational Health Hazards II A.Ç. Büke	**Lecture** Infections in Immuncompromised Host M. Sönmezoğlu	**Independent Learning**	**Lecture** Prevention and Control of Communicable Diseases II R.E. Sezer
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Zoonotic Diseases I M. Sönmezoğlu	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Lecture** Introduction to Clinical Genetics A. Ç. Kuşkucu
15.00- 15.50	**Lecture** Zoonotic Diseases II M. Sönmezoğlu	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Lecture** Inherited Immune System Disorders A. Ç. Kuşkucu
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Lecture** Pathophysiology of Hematopoietic System Disorders II M. Kaçar
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Lecture** Pathophysiology of Hematopoietic System Disorders III M. Kaçar

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM
WEEK III / 24-28 Sep 2018

	Monday 24-Sep-2018	Tuesday 25-Sep-2018	Wednesday 26-Sep-2018	Thursday 27-Sep-2018	Friday 28-Sep-2018
09.00- 09.50	**Independent Learning**	**Lecture** Non/Hodgkin's Lymphoma I F. Özkan	**Lecture** Hodgkin's Lymphoma F. Özkan	**Independent Learning**	**Independent Learning**
10.00- 10.50	**Independent Learning**	**Lecture** Non/Hodgkin's Lymphoma II F. Özkan	**Lecture** Pathology of Myeloproliferative Diseases-I F. Özkan	**Independent Learning**	**Lecture** Antianemic Drugs E. Genç
11.00- 11.50	**Lecture** Pathology of Bone Marrow-1 F. Özkan	**Lecture** Hematostatic Drugs and Hematostatic Blood Products I E. Genç	**Lecture** Pathology of Myeloproliferative Diseases II F. Özkan	**Independent Learning**	**Lecture** Antihelminthic Drugs E. Genç
12.00- 12.50	**Lecture** Pathology of Bone Marrow-2 F. Özkan	**Lecture** Hematostatic Drugs and Hematostatic Blood Products II E. Genç	**Lecture** Congenital Immunodeficiency Disease H. Sarıçoban	**Independent Learning**	**Lecture** Molecular Basis of Hemoglobinopathies A. Ç. Kuşkucu
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Transplantation Immunology G. Yanıkkaya Demirel	**Microbiology Laboratory** (Antibacterial Susceptibility Testing) Microbiology Instructors	**Microbiology Laboratory** (Antibacterial Susceptibility Testing) Microbiology Instructors	**Lecture** Pathology of Viral Infections I A. Sav	**Independent Learning**
15.00- 15.50	**Lecture** Transplantation Immunology G. Yanıkkaya Demirel	GROUP A / GRPUP B IL / GROUP C IL / GROUP D IL	GROUP A IL / GRPUP B IL / GROUP C / GROUP D IL	**Lecture** Pathology of Viral Infections II A. Sav	**Independent Learning**
16.00- 16.50	**Independent Learning**	GROUP A IL / GRPUP B / GROUP C IL / GROUP D IL	GROUP A IL / GRPUP B IL / GROUP C IL / GROUP D	**Lecture** Epidemiology of Communicable Diseases I H.A.Taşyıkan	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Lecture** Epidemiology of Communicable Diseases II H.A.Taşyıkan	**Independent Learning**

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM
WEEK IV / 1-5 Oct 2018

	Monday 1-Oct-2018	Tuesday 2-Oct-2018	Wednesday 3-Oct-2018	Thursday 4-Oct-2018	Friday 5-Oct-2018
09.00- 09.50	**Lecture** Introduction to the Course I E. Vatanoğlu Lutz	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**
10.00- 10.50	**Lecture** Introduction to the Course II E. Vatanoğlu Lutz	**ICP-CSL** (Suturing technique) M. F. Çelikmen / M. Ekşioğlu	**ICP-CSL** (Suturing technique) M. Yazıcıoğlu / C. Şimşek	**ICP-CSL** (Suturing technique) V. Öztürk / D. Gürsoy	**ICP-CSL** (Suturing technique) P. Türe / G. Gencer
11.00- 11.50	**Lecture** Physician-Patient Relationship E. Vatanoğlu Lutz	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C IL** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C Small Group Study** Scientific Project / **Group D ICP**	**Group A Small Group Study** Scientific Project / **Group B ICP** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C ICP** / **Group D Small Group Study** Scientific Project
12.00- 12.50	**Lecture** Confidentiality and Truthfulness E. Vatanoğlu Lutz				
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Independent Learning**	**Lecture** Beneficence and Non-Maleficence E. Vatanoğlu Lutz	**Lecture** Parasitic Infections II A.Ç. Büke	**Lecture** Transhumanisms and Ethics E. Vatanoğlu Lutz	**Lecture** Bioethics E. Vatanoğlu Lutz
15.00- 15.50	**Microbiology Laboratory** (Diagnostic tests of respiratory specimens) Microbiology Instructors	**Lecture** Transplantation E. Vatanoğlu Lutz	**Lecture** Vaccines A.Ç. Büke	**Lecture** Ethics of the Future/Future of Ethics E. Vatanoğlu Lutz	**Lecture** Responsible Biomedical Research E. Vatanoğlu Lutz
16.00- 16.50	GROUP A / GROUP B IL / GROUP C IL / GROUP D IL	**Lecture** Principles of Autonomy and Informed Consent E. Vatanoğlu Lutz	**Independent Learning**	**Lecture** Introduction to Scientific Projects G. Yanıkkaya Demirel	**Lecture** Ethics of Publication E. Vatanoğlu Lutz
17.00-17.50	GROUP A IL / GROUP B	**Lecture** Justice in Medicine E. Vatanoğlu Lutz	**Independent Learning**	**Lecture** Scientific Projects - III: Project Writing G. Yanıkkaya Demirel	**Independent Learning**

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM
WEEK V / 8-12 Oct 2018

	Monday 8-Oct-2018	Tuesday 9-Oct-2018	Wednesday 10-Oct-2018	Thursday 11-Oct-2018	Friday 12-Oct-2018
09.00- 09.50	**Case Discussions** Pathology Tissue Response to Infections A. Sav	**ICP** (Ear-Nose-Throat Examination) Z. Alkan / S. Özdemir	**Lecture** Introduction to Clinical Oncology I O. Kuzhan	**Independent Learning**	**Lecture** Immunodeficiencies G. Yanıkkaya Demirel
10.00- 10.50	**Case Discussions** General Rewiev of Pathology of Infections Disease A. Sav	**Group A IL** / **Group B IL** / **Group C Small Group Study** Scientific Project / **Group D ICP**	**Lecture** Introduction to Clinical Oncology II O. Kuzhan	**ICP** (Ear-Nose-Throat Examination) S. Akbulut / S. Özdemir	**Lecture** Immunodeficiencies G. Yanıkkaya Demirel
11.00- 11.50	**Microbiology Laboratory** (Diagnostic tests of respiratory specimens) Microbiology Instructors; **Group A IL** / **Group B IL** / **Group D** / **Group C IL**		**Lecture** Treatment Approaches of Cancer O. Kuzhan	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C IL** / **Group D IL**	**Lecture** Antifungal Drugs Pharmacology Lecturer
12.00- 12.50	**Group D IL** / **Group C**	**Lecture** Laboratory Diagnosis of Infectious Diseases VI (Advancements in Diagnostic Microbiology) İ. Ç. Acuner	**Lecture** Phytotherapy I E. Yeşilada		**Lecture** Antiseptics and Disinfectants Pharmacology Lecturer
12.50- 14.00	**LUNCH BREAK**				
14.00- 14.50	**ICP** (Ear-Nose-Throat Examination) Z. Alkan / S. Özdemir	**Lecture** Antiprotozoal Drugs Pharmacology Lecturer	**Lecture** Macrolides Pharmacology Lecturer	**ICP** (Ear-Nose-Throat Examination) S. Akbulut / S. Özdemir	**Lecture** Investigation of a Disease Epidemic I H.A.Taşyıkan
15.00- 15.50	**Group A IL** / **Group B IL** / **Group C ICP** / **Group D Small Group Study** Scientific Project	**Lecture** Immunomodulators Pharmacology Lecturer	**Lecture** Antiviral Drugs Pharmacology Lecturer	**Group A Small Group Study** Scientific Project / **Group B ICP** / **Group C IL** / **Group D IL**	**Lecture** Investigation of a Disease Epidemic II H.A.Taşyıkan
16.00- 16.50		**Lecture** Genetics of Oncology I A.Ç. Kuşkucu	**Lecture** Case Discussion on Immunity to Infection G. Yanıkkaya Demirel		**Independent Learning**
17.00-17.50	**Independent Learning**	**Lecture** Genetics of Oncology II A.Ç. Kuşkucu	**Lecture** Case Discussion on Immunity to Infection G. Yanıkkaya Demirel	**Independent Learning**	**Independent Learning**

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM
WEEK VI / 15-19 Oct 2018

	Monday 15-Oct-2018	Tuesday 16-Oct-2018	Wednesday 17-Oct-2018	Thursday 18-Oct-2018	Friday 19-Oct-2018
09.00- 09.50	**Lecture** Phytotherapy II E. Yeşilada	**Lecture** Quantitative and Qualitative Platelet Disorders A. Özkan	**Lecture** Planning Medical Studies I Ç. Altunok	**Independent Learning**	**Lecture** Pharmacological Basis of Cancer Therapy I Pharmacology Lecturer
10.00- 10.50	**Lecture** Phytotherapy III E. Yeşilada	**Lecture** Approach to the Patient with Anemia and Laboratory Tests in Diagnosis with Anemia A. Özkan	**Lecture** Planning Medical Studies II Ç. Altunok	**Independent Learning**	**Lecture** Pharmacological Basis of Cancer Therapy II Pharmacology Lecturer
11.00- 11.50	**Lecture** Lymphoreactive Disease F. Özkan	**Lecture** Lymphoma A. Özkan	**Lecture** Research Design Ç. Altunok	**Independent Learning**	**Lecture** Blood Components and Transfusion Indications M. Sönmezoğlu
12.00- 12.50	**Lecture** Pathology of Spleen F. Özkan	**Lecture** Acute Leukemias A. Özkan	**Independent Learning**	**Independent Learning**	**Lecture** Blood Groups M. Sönmezoğlu
12.50 –14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Myeloproliferative Diseases A. Özkan	**Lecture** Plasma Cell Dyscrasias A. Özkan	**Lecture** Lenforeticular Infections I A.Ç. Büke	**Lecture** Emergency Evaluation of Sepsis and Septic Shock M. F. Çelikmen	**Multidisciplinary Case Discussion Panel**
15.00- 15.50	**Lecture** Chronic Leukemia A. Özkan	**Lecture** Hypercoagulability A. Özkan	**Lecture** Lenforeticular Infections II A.Ç. Büke	**Lecture** Antimalarial Drugs Pharmacology Lecturer	**Multidisciplinary Case Discussion Panel**
16.00- 16.50	**Lecture** Aplastic and Hypoplastic Anemias A. Özkan	**Lecture** Immune Acquired Hemolytic Anemias / Non Immune Acquired Hemolytic Anemias A. Özkan	**Lecture** Tuberculosis & Other Mycobacterial Infections I A.Ç. Büke	**Lecture** Quinolones Pharmacology Lecturer	**Lecture** Approach to the Pediatric Patient with Fever P. Saf
17.00-17.50	**Lecture** Nutritional Anemias A. Özkan	**Independent Learning**	**Lecture** Tuberculosis & Other Mycobacterial Infections II A.Ç. Büke	**Independent Learning**	**Independent Learning**

COMMITTEE I - INFECTIOUS DISEASES and HEMATOPOIETIC SYSTEM
WEEK VII / 22-26 Oct 2018

	Monday 22-Oct-2018	Tuesday 23-Oct-2018	Wednesday 24-Oct-2018	Thursday 25-Oct-2018	Friday 26-Oct-2018
09.00- 09.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
10.00- 10.50					COMMITTEE EXAM
11.00- 11.50					
12.00- 12.50					
12.50 – 14.00	LUNCH BREAK				
14.00- 14.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	**Program Evaluation Session** Committee I Coordination Committee Members
15.00- 15.50					Independent Learning
16.00- 16.50					
17.00-17.50					

COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS

DISTRIBUTION of LECTURE HOURS
October 29, 2018 – December 7, 2018
COMMITTEE DURATION: 6 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	PHARMACOLOGY	PC	25				**25**
	PATHOLOGY	PT	24	1x3=3 (2 Groups)			**27**
	CHEST MEDICINE	CHM	18				**18**
	CARDIOLOGY	CRD	14				**14**
	PUBLIC HEALTH	PH	8				**8**
	PATHOPHYSIOLOGY	PP	7				**7**
	INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY	IDCM	5				**5**
	BIOMEDICAL ETHICS & DEONTOLOGY	BED	4				**4**
	ENT DISEASES	ENT	4				**4**
	BIOISTATISTICS	BS	3				**3**
	THORACIC SURGERY	TS	3				**3**
	FAMILY MEDICINE	FM	4				**4**
	PEDIATRICS	PED	3				**3**
	MEDICAL GENETICS	MG	2				**2**
	EMERGENCY MEDICINE	EM	2				**2**
	IMMUNOLOGY	IMM	2				**2**
	RADIATION ONCOLOGY	RONC	2				**2**
	RADIOLOGY	RAD	1				**1**
	SCIENTIFIC PROJECTS-III	SP				2x2=4 (4 Groups)	**4**
	INTERDISCIPLINARY	MCDP				2	**2**
	TOTAL		**131**	3		6	**140**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			2x3=6 (4 Groups)		**6**
TOTAL			**131**	**3**	**6**	**6**	**146**

Coordination Committee

HEAD	Ferda Özkan, MD, Prof.
SECRETARY	Banu Musaffa Salepçi, Assoc. Prof.
MEMBER	Tuba Çoşkun, MD, Assist. Prof.
MEMBER	Mustafa Aytek Şimşek, MD, Assist. Prof.
MEMBER	Emine Nur Özdamar, MD, Assist. Prof.

COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
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. Kahraman Ahmet Salih Emri, MD, Prof. Banu Musaffa Salepçi, MD, Assoc. Prof.
CARDIOLOGY	Muzaffer Değertekin, MD, Prof. Olcay 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 Taşyıkan, MD, Assist. Prof.
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu 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. Sevtap Akbulut, MD, Assoc. Prof.
THORACIC SURGERY	Sina Ercan, MD, Prof.
FAMILY MEDICINE	Güldal İzbırak, MD, Assoc.Prof. Özlem Tanrıöver, MD, Assoc.Prof.
PEDIATRICS	Hülya Sarıçoban, MD, Assoc. Prof. Fatma Tuba Coşkun, MD
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Assist. Prof.
RADIOLOGY	Emrah Karatay, MD.
RADIATION ONCOLOGY	Halim Aydın, MD, Assoc. Prof.
EMERGENCY MEDICINE	Merve Ekşioğlu, MD Mustafa Yazıcıoğlu, MD, Assist. Prof.
BIOSTATISTICS	Çiğdem Altunok, PhD, Assist. Prof
IMMUNOLOGY	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.
SCIENTIFIC PROJECTS- III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Sevda Özdoğan, MD, Prof. Ferdi Menda MD, Prof. Ahmet Salih Emri, MD, Prof. Banu Musaffa Salepçi, MD, Assoc. Prof. Olcay Özveren, MD, Assoc. Prof. Ayça Türer Cabbar, MD, Assist. Prof. Mustafa Aytek Şimşek, MD, Assist. Prof. Nurcan Kızılcık, MD, Assist. Prof. Tuğhan Utku, MD.

COMMITTEE II - CARDIOVASCULAR and RESPIRATORY SYSTEMS
AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of cardiovascular and respiratory systems,
2. ***to convey*** knowledge on etiopathogenesis of 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 related to cardiovascular and respiratory systems,
3. ***to convey*** knowledge on epidemiology of 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 related to cardiovascular and respiratory systems,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to cardiovascular and respiratory systems,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to cardiovascular and respiratory systems,
6. ***to convey*** necessary knowledge together **with performance measures** on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to cardiovascular and respiratory systems, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, **at the level of primary health care service,**
7. ***to convey*** knowledge on principles of prescription,
8. ***to convey*** necessary knowledge on pharmacology of drugs effective on cardiovascular system,
9. ***to convey*** necessary knowledge on radiation physics and biology and its use in oncology,
10. ***to convey*** necessary knowledge on ethical problems encountered in health care service and utilization, and on principles of solutions,
11. ***to convey*** knowledge on principles of biostatistical analysis,
12. **to equip with basic and advanced clinical skills** (advanced cardiac life support-C2, approach to patient with cardiovascular clinical condition-C2) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.***recall*** anatomy, histology and physiology of cardiovascular and respiratory systems,

2.***explain*** etiopathogenesis of clinical conditions (*upper respiratory tract problems -nasal obstruction, etc.-, infectious clinical conditions with upper and lower respiratory tract and lung involvement -pneumonia, tuberculosis, etc.-, circulatory lung disorders -pulmonary embolism, etc.-, obstructive/restrictive lung diseases, respiratory insuffiency, tobacco use, lung tumors,other lung diseases; diseases of coronary circulation and coronary arteries, diseases of cardiac valves, myocardial and pericardial diseases, blood stream infections and sepsis, cardiac problems in adults and children, mediastinal diseases, nasopharyngeal and oropharyngeal diseases, nasal and paranasal sinus diseases, diseases of middle ear and eustachian tube, laryngeal diseases, voice disorders*) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,

3.***explain*** epidemiology of 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 related to cardiovascular and respiratory systems,

4.***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to cardiovascular and respiratory systems,

5.***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to cardiovascular and respiratory systems,

6.at multi-system level and/or related to cardiovascular and respiratory systems,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes, health care processes, clinical decision making process, clinical decisions and clinical practices

- which are required for management at primary health care service level:

6.1. practice of history taking and physical examination (cardiovascular-C2, pulmonary-C2)

6.2. evaluation of emergency case (dyspnea-C2)

6.3. approach to healthy individual or patient (cardiovascular disease-C2, chest pain-C2, cough and hemoptysis-C2, dyspnea-C2)

6.4. laboratory tests/examinations (cardiac markers-, coagulation tests-, blood gases-, pulmonary function tests-C2)

6.5. imaging tests/examinations (radionuclide ventriculography-C2, myocardial scintigraphy-C2, cardiac PET-C2, ventilation/perfusion scintigraphyi-C2, PET in lung cancer-C2)

6.6. point of care testing (urine strip/dipstick test-C1)

6.7. making preliminary diagnosis or definitive diagnosis decision

6.8. making non-intervention or intervention decision

6.9. practicing non-intervention or intervention

6.10. referral/transport of healthy individual or patient

7.***define*** radiation physics, biology and its use in oncology,

8.***explain*** implementation of hypertension treatment guidelines,

9.***explain*** pharmacology of drugs effective on cardiovascular system (autonomic system pharmacology, renin-angiotensin system pharmacology, calcium channel blockers, pharmacological approach to ischemic and congestive cardiovascular conditions, drugs effecting body fluids and volume, anti-hypertension drugs, hypolipidemic drugs, antiarrhythmic drugs, antiplatelet, antithrombotic and thrombolytic drugs, drugs used in the treatment of asthma and chronic obstructive pulmonary disease, antitussive, expectorant and surfactant drugs),

10.***explain*** ethical problems (rejection of treatment, organ transplantation, paternalism, reproductive and negative rights),

11.***explain*** principles of biostatistical analysis,

12.***perform*** basic clinical skills, practiced on phantom models (advanced cardiac life support-C2), and advanced clinical skills, practiced on simulated/standardized patients (approach to patient with cardiovascular clinical condition-C2), required at primary health care service.

COMMITTEE II - CARDIOVASCULAR and RESPIRATORY SYSTEMS
COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MED 302 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**DISCIPLINE**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
8.0.,9.0.	PC	E. Genç	17	8	8	33
9.0.		E. N. Özdamar				
1.0.,2.0.	PT	F. Özkan	17	7	7	31
		A. Sav				
1.0.,2.0.,5.0.,6.0.,6.1.,6.4.,6.5.,6.6	CHM	E. S. Özdoğan	12	6	6	24
		A. S. Emri				
		B. Salepçi				
1.0.,2.0.,5.0.,6.0.6.4.	CRD	M.Degertekin	11	4	4	19
1.0.,2.0., 5.0., 6.0.6.1.,6.3.		O. Özveren				
1.0.,2.0.,5.0.,6.0.6.4.		K. E Aslanger				
1.0.,2.0.,5.0.,6.0.6.4.		A. Cabbar				
1.0.,2.0.,5.0.,6.0.6.4.		B. Hünük				
1.0.,2.0.,5.0.,6.0.6.4.		M.A. Şimşek				
3.0.,4.0.	PH	R.E. Sezer	6	2	2	10
		H.A.Taşyıkan				
2.0.,5.0.	PP	M. Kaçar	5	2	2	9
2.0.,5.0.,6.0.	IDCM	M. Sönmezoğlu	3	2	2	7
2.0.,5.0.,6.4.		A.Ç. Büke				
10.0.	BED	E. Vatanoglu	3	1	1	5
1.0.,2.0.,5.0.,6.0.	ENT	M. Dogan	3	1	1	5
1.0.,2.0.,5.0.,6.0.		Y. Selim Pata				
1.0.,2.0.,5.0.,6.0.		S. Akbulut				
1.0.,2.0.,5.0.,6.0.	BS	Ç. Kaspar	2	1	1	4
6.3.	TS	S. Ercan	2	1	1	4
1.0.,2.0.,5.0.,6.0.	FM	G.Izbırak	2	1	1	4
1.0.,2.0.,5.0.,6.0.		Ö. Tanrıöver				
2.0.,5.0.	PED	S. Sarıçoban	2	1	1	4
6.3.		T. Çoşkun				
6.2.	MG	A.Ç. Kuskucu	1	1	1	3
11.0.	EM	M. Ekşioğlu	1	1	1	3
11.0.		M. Yazıcıoğlu				
	IMM	G.Y. Demirel	1	1	1	3
	RONC	H. Aydın	1	0	0	1
6.5.	RAD	E. Karatay	1	0	0	1
TOTAL			**90**	**40**	**40**	**170**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0.,2.0.,5.0.,6.0.,6.1.,6.4.,6.5.,6.6.	CHM	B. Salepçi	1	-	-	1
1.0.,2.0.,5.0.,6.0.,6.3.,6.4.	PT	F. Özkan	2	-	-	2
8.0.,9.0.	PC	E. Genç	2	-	-	2
		TOTAL	**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts:points**

*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

Abbreviations

MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
****41** out of 200 FE and ICE MCQs will be from Committee II (Each question is of worth **0.5** pts).

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK I / 29 Oct - 2 Nov 2018

	Monday 29-Oct-2018	Tuesday 30-Oct-2018	Wednesday 31-Oct-2018	Thursday 1-Nov-2018	Friday 2-Nov-2018
09.00- 09.50	NATIONAL HOLIDAY	**Independent Learning**	**Independent Learning**	**ICP-CSL** (Advanced Cardiac Life Support) F. Menda / N. Kızılcık / T. Utku	**Lecture** Electrocardiography I B. Hünük
10.00- 10.50		**Lecture** Introduction to Autonomic System Pharmacology E. Genç	**Independent Learning**	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C IL** / **Group D IL**	**Lecture** Electrocardiography II B. Hünük
11.00- 11.50		**Lecture** Acetylcholine and Directly Acting Parasympathomimetic Drugs E. Genç	**Lecture** Coronary Artery Disease I M. Değertekin		**Lecture** Cardiac Arrhythmias B. Hünük
12.00- 12.50		**Lecture** Acetylcholinesterase Inhibitors E. Genç	**Lecture** Coronary Artery Disease II M. Değertekin	**Independent Learning**	**Lecture** Pharmacology of ReninAngiotensin System E. N. Özdamar
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	NATIONAL HOLIDAY	**Lecture** General Signs and Principal Symptoms in Cardiovascular System Diseases K. E. Aslanger	**Lecture** Pathophysiology of Cardiovascular System Disorders I M. Kaçar	**Lecture** Diuretic Agents I E. N. Özdamar	**Lecture** Pathology of Endocardium & Heart Valves I A. Sav
15.00- 15.50		**Lecture** Examination of the Heart K. E. Aslanger	**Lecture** Pathophysiology of Cardiovascular System Disorders II M. Kaçar	**Lecture** Diuretic Agents II E. N. Özdamar	**Lecture** Pathology of Endocardium & Heart Valves II A. Sav
16.00- 16.50		**Lecture** Hypertension M. A. Şimşek	**Lecture** Pathophysiology of Cardiovascular System Disorders III M. Kaçar	**Lecture** Parasympatholitic Drugs E. Genç	**Independent Learning**
17.00-17.50		**Lecture** Pericardial Diseases M. A. Şimşek	**Independent Learning**	**Lecture** Sympathomimetic Drugs: Catecholamines & Noncatecholamines E. Genç	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK II / 5-9 Nov 2018

	Monday **5-Nov-2018**	**Tuesday** **6-Nov-2018**	**Wednesday** **7-Nov-2018**	**Thursday** **8-Nov-2018**	**Friday** **9-Nov-2018**
09.00- 09.50	**Lecture** Bloodstream Invasion & Sepsis I M. Sönmezoğlu	**Independent Learning**	**Lecture** Rheumatic Heart Disease A. Sav	**Independent Learning**	**Lecture** Drugs Used in the Treatment of Dyslipidemias I E. N. Özdamar
10.00- 10.50	**Lecture** Ischemic Heart Disease I F. Özkan	**Lecture** Drugs Used in the Treatment of Angina Pectoris E. N. Özdamar	**Lecture** CVS Tumors A. Sav	**Independent Learning**	**Lecture** Drugs Used in the Treatment of Dyslipidemias II E. N. Özdamar
11.00- 11.50	**Lecture** Myocardium F. Özkan	**Lecture** Hypertension Treatment Guidelines E. N. Özdamar	**Lecture** Adrenergic Receptor Blockers E. Genç	**Independent Learning**	**Lecture** Congenital Heart Disease in Pediatrics T. Çoşkun
12.00- 12.50	**Lecture** Pathophysiology of Respiratory System Disorders I M. Kaçar	**Lecture** Anticoagulant, Antiplatelet & Thrombolytic drugs E. N. Özdamar	**Lecture** Adrenergic Neuron Blockers E. Genç	**Independent Learning**	**Lecture** Pharmacology Case Studies E. Genç
12.50 - 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathophysiology of Respiratory System Disorders II M. Kaçar	**Lecture** Congestive Heart Failure I A. Türer Cabbar	**Lecture** History and Symptoms in Pulmonary Diseases S. Emri	**ICP-CSL** (Advanced Cardiac Life Support) F. Menda/ N. Kızılcık/ T. Utku	**Lecture** Ischemic Heart Disease II F. Özkan
15.00- 15.50	**Lecture** Respiratory Muscles and Surgical Anatomy of Thorax S. Ercan	**Lecture** Congestive Heart Failure II A. Türer Cabbar	**Lecture** Physical Examination and Signs in Pulmonary Diseases S. Emri	**Group A IL** / **Group B IL** / **Group C ICP** / **Group D Small Group Study** Scientific Project	**Lecture** Valvular Heart Diseases O. Özveren
16.00- 16.50	**Lecture** Surgical Disorders of Mediastinum and the Diaphragm S. Ercan	**Lecture** Grown-up Congenital Heart Disease A. Türer Cabbar	**Lecture** Chronic Obstructive Pulmonary Disease S. Emri		**Lecture** Infective Endocarditis and Acute Rheumatic Fever O. Özveren
17.00-17.50	**Lecture** Surgical Treatment of Pulmonary Diseases S. Ercan	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK III / 12-16 Nov 2018

	Monday 12-Nov-2018	Tuesday 13-Nov-2018	Wednesday 14-Nov-2018	Thursday 15-Nov-2018	Friday 16-Nov-2018
09.00- 09.50	**Lecture** Diagnostic Methods in Pulmonary Medicine S. Özdoğan	**Lecture** Pulmonary Tuberculosis S. Özdoğan	**Lecture** Pulmonary Infections I F. Özkan	**ICP-CSL** (Advanced Cardiac Life Support) F. Menda / N. Kızılcık / T. Utku	**Lecture** Chronic Obstructive Pulmonary Diseases F. Özkan
10.00- 10.50	**Lecture** Clinical Application of Pulmonary Function Tests S. Özdoğan	**Lecture** Pulmonary Embolism S. Özdoğan	**Lecture** Pulmonary Infections II F. Özkan	**Group A IL** / **Group B IL** / **Group C Small Group Study** Scientific Project / **Group D ICP**	**Lecture** Asthma Bronchiale F. Özkan
11.00- 11.50	**Lecture** Bronchial Hyperreactivity and Asthma S. Özdoğan	**Lecture** Special Pulmonary Problems S. Özdoğan	**Lecture** Tracheobronchitis B. Salepçi		**Lecture** Congenital Lung Anomalies & Atalectasis F. Özkan
12.00- 12.50	**Lecture** X-Ray Examination of the Lungs E. Karatay	**Lecture** Treatment of Cough & Drugs Used in the Treatment of Common Cold E. N. Özdamar	**Lecture** Pneumoniae B. Salepçi	**Independent Learning**	**Lecture** Pathology of Upper Respiratory Tract F. Özkan
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Diseases of the Nose and Paranasal Sinuses Y. S. Pata	**Lecture** Drugs Used in Congestive Heart Disease I E. N. Özdamar	**Lecture** Laryngeal and Voice Diseases M. Doğan	**Lecture** Pulmonary Hypertension B. Salepçi	**Lecture** Atherosclerosis & Hypertension I A. Sav
15.00- 15.50	**Lecture** Nasopharyngeal and Oropharyngeal Diseases Y. S. Pata	**Lecture** Drugs Used in Congestive Heart Disease II E. N. Özdamar	**Lecture** Diseases of the Middle Ear and Eustachian Tube M. Doğan	**Lecture** Respiratory Failure B. Salepçi	**Lecture** Atherosclerosis & Hypertension II A. Sav
16.00- 16.50	**Lecture** Hypersensitivity reactions G. Yanıkkaya Demirel	**Lecture** Principals of Statistical Analysis I Ç. Altunok	**Independent Learning**	**Lecture** Inherited Respiratory System Disorders A. Kuşkucu	**Independent Learning**
17.00-17.50	**Lecture** Hypersensitivity reactions G. Yanıkkaya Demirel	**Lecture** Principals of Statistical Analysis II Ç. Altunok	**Independent Learning**	**Lecture** Inherited Cardiovascular Disorders A.Ç. Kuşkucu	**Independent Learning**

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK IV / 19-23 Nov 2018

	Monday 19-Nov-2018	Tuesday 20-Nov-2018	Wednesday 21-Nov-2018	Thursday 22-Nov-2018	Friday 23-Nov-2018
09.00- 09.50	**Lecture** Interstitial Lung Diseases B. Salepçi	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases I R.E. Sezer	**Lecture** Tumors of the Respiratory System I A. Sav	**Pathology Laboratory** (Cardiovascular and Respiratory Systems) F. Özkan / A. Sav **Group B** **Group A IL**	**Lecture** Pathophysiology of Respiratory System Disorders III M. Kaçar
10.00- 10.50	**Lecture** Sleep Apnea Syndrome B. Salepçi	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases II R.E. Sezer	**Lecture** Tumors of the Respiratory System II A. Sav		**Lecture** Pathophysiology of Respiratory System Disorders IV M. Kaçar
11.00- 11.50	**Lecture** Congestive Heart Failure F. Özkan	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases III R.E. Sezer	**Lecture** Pathology of Pleural and Mediastinal Diseases A. Sav	**Group B IL** **Group A**	**Lecture** Drugs Used in Cardiac Arrythmias I E. N. Özdamar
12.00- 12.50	**Lecture** Congestive Heart Failure & Pericardium F. Özkan	**Lecture** Emergency Evaluation of Dyspnea M. Ekşioğlu	**Lecture** Pediatric Advanced Life Support M. Yazıcıoğlu	**Independent Learning**	**Lecture** Drugs Used in Cardiac Arrythmias II E. N. Özdamar
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**ICP-CSL** (Examination of cardiovascular and respiratory system) O. Özveren / M. A. Şimşek / B. Salepçi / S. Özdoğan / A.S. Emri	**ICP-CSL** (Examination of cardiovascular and respiratory system) O. Özveren / M. A. Şimşek / B. Salepçi / S. Özdoğan / A.S. Emri	**Lecture** Preparing to Analyse Data Ç. Altunok	**Lecture** Bronchiectasis S. Emri	**Lecture** Epidemiology and Prevention of Cardiovascular Diseases I H.A.Taşyıkan
15.00- 15.50	**Group C ICP** **Group D Small Group Study** Scientific Project **Group A IL** **Group B IL**	**Group C Small Group Study** Scientific Project **Group D ICP** **Group A IL** **Group B IL**	**Lecture** Anti-hypertensive Drugs I E. N. Özdamar	**Lecture** Lung Cancer S. Emri	**Lecture** Epidemiology and Prevention of Cardiovascular Diseases II H.A.Taşyıkan
16.00- 16.50			**Lecture** Anti-hypertensive Drugs II E. N. Özdamar	**Lecture** Pleural Diseases S. Emri	**Lecture** Public Health and Chronic Non-Communicable Diseases H.A. Taşyıkan
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK V / 26-30 Nov 2018

	Monday 26-Nov-2018	Tuesday 27-Nov-2018	Wednesday 28-Nov-2018	Thursday 29-Nov-2018	Friday 30-Nov-2018
09.00- 09.50	**Lecture** Pharmacology and Toxicology of Tobacco E. N. Özdamar	**Lecture** Upper and Lower Respiratory System Infections I A.Ç. Büke	**ICP-CSL** (Examination of cardiovascular and respiratory system) O. Özveren / M. A. Şimşek / B. Salepçi / S. Özdoğan / A.S. Emri	**ICP-CSL** (Examination of cardiovascular and respiratory system) O. Özveren / M. A. Şimşek / B. Salepçi / S. Özdoğan / A.S. Emri	**Lecture** Chronic Restrictive Pulmonary Diseases I A. Sav
10.00- 10.50	**Lecture** Drugs Used in the Treatment of Asthma & Chronic Obstructive Lung Disease E. N. Özdamar	**Lecture** Upper and Lower Respiratory System Infections II A.Ç. Büke	**Group C IL** / **Group D IL** / **Group B ICP** / **Group A Small Group Study** Scientific Project	**Group C IL** / **Group D IL** / **Group B Small Group Study** Scientific Project / **Group A ICP**	Chronic Restrictive Pulmonary Diseases II A. Sav
11.00- 11.50	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases IV R.E. Sezer	**Lecture** Bloodstream Invasion & Sepsis II M. Sönmezoğlu			**Multidisciplinary Case Discussion Panel**
12.00- 12.50	**Lecture** Epidemiology, Prevention and Control of Chronic Non-Communicable Respiratory Diseases R.E. Sezer	**Lecture** Cardiac Infections M. Sönmezoğlu	**Independent Learning**	**Independent Learning**	**Multidisciplinary Case Discussion Panel**
12.50- 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Introduction to Radiation Oncology H. Aydın	**Lecture** Ethical Issues at the Beginning of Life E. Vatanoğlu Lutz	**Lecture** Approach to Patient with Chest Pain in Primary Care I G. İzbırak	**Lecture** Congenital Heart Disease I A. Sav	**Independent Learning**
15.00- 15.50	**Lecture** Basics of Radiation Biology and Radiation Physics H. Aydın	**Lecture** Ethical Issues in Paediatrics E. Vatanoğlu Lutz	**Lecture** Approach to Patient with Chest Pain in Primary Care II G. İzbırak	**Lecture** Congenital Heart Disease II A. Sav	**Independent Learning**
16.00- 16.50	**Lecture** Approach to the Patient with Cough and Heameoptysis in Primary Care Ö. Tanrıöver	**Lecture** Approach to the Pediatric Patient with Pneumonia H. Sarıçoban	**Independent Learning**	**Lecture** Ethics in Intensive Care E. Vatanoğlu Lutz	**Independent Learning**
17.00-17.50	**Lecture** Approach to the Patient with Dyspnea in Primary Care Ö. Tanrıöver	**Lecture** Chest Medicine Case Reports H. Sarıçoban	**Independent Learning**	**Lecture** Ethics in Psychiatry E. Vatanoğlu Lutz	**Independent Learning**

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK VI / 3-7 Dec 2018

<table>
<tr><th></th><th>Monday
3-Dec-2018</th><th>Tuesday
4-Dec-2018</th><th>Wednesday
5-Dec-2018</th><th>Thursday
6-Dec-2018</th><th>Friday
7-Dec-2018</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td><td rowspan="2">LUNCH BREAK</td></tr>
<tr><td>12.50- 14.00</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Program Evaluation Session
Committee II
Coordination Committee Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
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COMMITTEE III - GASTROINTESTINAL SYSTEM

DISTRIBUTION of LECTURE HOURS

December 10, 2018 - January 4, 2018

COMMITTEE DURATION: 4 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
	GASTROENTEROHEPATOLOGY	GE	24				**24**
	PATHOLOGY	PT	14		1x3=3 (2 Groups)		**17**
	BIOMEDICAL ETHICS&DEONTOLOGY	BED	10				**10**
	PHARMACOLOGY	PC	5				**5**
	INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY	IDCM	4				**4**
	PUBLIC HEALTH	PH	3				**3**
	PHYTOTHERAPY	PHY	3				**3**
	BIOSTATISTICS	BS	3				**3**
	IMMUNOLOGY	IMM	2				**2**
	PATHOPHYSIOLOGY	PP	2				**2**
	FAMILY MEDICINE	FM	2				**2**
	MEDICAL GENETICS	MG	2				**2**
	EMERGENCY MEDICINE	EM	2				**2**
	RADIOLOGY	RAD	1				**1**
	PEDIATRICS	PED	1				**1**
	PEDIATRIC SURGERY	PEDS	1				**1**
	GENERAL SURGERY	GS	1				**1**
	SCIENTIFIC PROJECTS-III	SP				1X2=2 (4 Groups)	**2**
	INTERDISCIPLINARY	MCDP				2	2
	TOTAL		80		3	4	87
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1X3=3 (4 Groups)		**3**
TOTAL			**80**		**6**	**4**	**90**

Coordination Committee

HEAD	Meltem Ergün, MD, Assoc. Prof.
SECRETARY	Şafak Karaçay, MD, Assoc. Prof.
MEMBER	Ferda Özkan, MD, Prof.
MEMBER	Emine Nur Özdamar, MD, Assist. Prof.
MEMBER	Erdem Söztutar, MD, Assist. Prof.

COMMITTEE III - GASTROINTESTINAL SYSTEM
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
GASTROENTEROHEPATOLOGY	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 Taşyıkan, 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.
FAMILY MEDICINE	Güldal İzbırak, MD, Assoc.Prof. Özlem Tanrıöver, MD, Assoc.Prof.
BIOISTATISTICS	Çiğdem Altunok, PhD, Assist. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Assist. Prof.
EMERGENCY MEDICINE	Sezgin Sarıkaya, MD, Assoc. Prof. Barış Murat Ayvacı, MD, Assist. Prof.
PEDIATRICS	Meltem Uğraş, MD, Prof.
PEDIATRIC SURGERY	Şafak Karaçay, MD, Assoc.Prof.
GENERAL SURGERY	Gürkan Tellioğlu, MD, Prof.
RADIOLOGY	Osman Melih Topçuoğlu, MD
IMMUNOLOGY	Gülderen Yanıkkaya Demirel, MD, PhD, Assoc. Prof.
SCIENTIFIC PROJECTS	Gülderen Yanıkkaya Demirel, MD, PhD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Sara Yavuz, MD, Assist. Prof. Güldal İzbırak, MD, Assoc. Prof. Serdar Özdemir, MD, Assist. Prof. Mirchalig Javadov, MD,

COMMITTEE III - GASTROINTESTINAL SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of gastrointestinal system,
2. ***to convey*** knowledge on etiopathogenesis of 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 related to gastrointestinal system,
3. ***to convey*** knowledge on epidemiology of 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 related to gastrointestinal system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to gastrointestinal system,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to gastrointestinal system,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to gastrointestinal system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** knowledge on pharmacology of drugs that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
8. ***to convey*** knowledge on phytotherapeutic agents that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
9. ***to convey*** knowledge on biostatistical analysis of association between variables,
10. ***to convey*** necessary knowledge on legal regulations and ethical principles for end-of-life decisions,
11. ***to equip with*** basic and advanced clinical skills (approach to patient with gastrointestinal clinical condition-C4) required at primary health care service level.
12. ***to convey*** knowledge on use of phytotherapy in an evidence based manner and drug interactions in phytotherapy,

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of gastrointestinal system,

2.0. ***explain*** etiopathogenesis of clinical conditions (infections, nutritional disorders, bleedings, clinical conditions related to gastrointestinal organs) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,

3.0. ***explain*** epidemiology of 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 related to gastrointestinal system,
4.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to gastrointestinal system,
5.0. ***explain*** importance of healthy nutrition, principles of balanced diet, and measurement of nutritional status,
6.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to gastrointestinal system,
7.0. at multi-system level and/or related to gastrointestinal system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

7.1. practice of history taking and physical examination (gastrointestinal-C4)
7.2. evaluation of emergency case (acute abdominal pain-C4)
7.3. approach to healthy individual or patient (diarrhea-C4)
7.4. laboratory tests/examinations
7.5. imaging tests/examinations (scintigraphy of liver/spleen-C4, PET in gastrointestinal system tumors-C4)
7.6. point of care testing
7.7. making preliminary diagnosis or definitive diagnosis decision
7.8. making non-intervention or intervention decision
7.9. practicing non-intervention or intervention
7.10. referral/transport of healthy individual or patient
8. ***list*** differences of gastrointestinal clinical conditions that may occur in children,
9. ***explain*** liver transplantation (indications, contraindications, conditions, risks, methods, patient care, results and monitorization),
10. ***explain*** pharmacology of drugs (agents used in the treatment of peptic ulcer, emetic and antiemetic agents, laxatives) that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
11. ***explain*** genetics of gastrointestinal system,
12. ***explain*** phytotherapeutic agents that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
13. ***define*** biostatistical analysis of association between variables,
14. ***tell*** legal regulations and ethical principles for end-of-life decisions,
15. ***perform*** basic clinical skills, practiced on phantom models and advanced clinical skills, practiced on simulated/standardized patients (approach to patient with gastrointestinal clinical condition-C4), required at primary health care service.

16. ***to convey*** knowledge on use of phytotherapy in an evidence based manner and drug interactions in phytotherapy.

COMMITTEE III - GASTROINTESTINAL SYSTEM
COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MED 302 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE III - GASTROINTESTINAL SYSTEM						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**DISCIPLINE**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
1.0.,2.0.,3.0.,4.0.,6.0.,7.0.	GE	M. Ergün	27	7	7	**41**
2.0.,6.0.	PT	A. Sav	17	4	4	**25**
2.0.,6.0.,7.4.		F. Özkan				
2.0, 6.0, 7.4						
14.0.	BED	E. Vatanoğlu	11	3	3	**17**
10.0.	PC	E. Genç	6	2	2	**10**
10.0.		E. N. Özdamar				
2.0.,3.0.,4.0.,6.0.,7.0.	IDCM	M. Sönmezoğlu	6	1	1	**8**
2.0.,3.0.,4.0.,6.0.,7.4.		A.Ç. Büke				
3.0.,4.0.,5.0.	PH	R.E. Sezer	3	1	1	**5**
3.0.,4.0.,5.0.		H.A.Taşyıkan				
12.0	PHR (PHY)	E. Yeşilada	3	1	1	**5**
13.0.	BS	Ç. Altunok	3	1	1	**5**
	IMM	G. Y. Demirel	2	1	1	**4**
2.0.,6.0.	PP	M. Kaçar	2	1	1	**4**
7.3.	FM	G. İzbırak	2	1	1	**4**
7.3.		Ö. Tanrıöver				
11.0.	MG	A.Ç. Kuşkucu	2	1	1	**4**
2.0.,3.0.,4.0.,6.0.,7.3.	EM	S. Sarıkaya	2	0	0	**2**
2.0.,3.0.,4.0.,6.0.,7.3.		B. M. Ayvacı				
7.5.	RAD	M. Topçuoğlu	1	0	0	**1**
5.0.	PED	M. Uğraş	1	0	0	**1**
1.0.,2.0.,3.0.,4.0.,6.0.,7.0.	PEDS	Ş. Karaçay	1	0	0	**1**
9.0.	GS	G. Tellioğlu	1	0	0	**1**
		TOTAL	**90**	**24**	**24**	**138**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0.,2.0.,3.0.,4.0.,6.0.,7.0.	GE	M. Ergün	3	-	-	3
2.0.,6.0.,7.4.	PT	F. Özkan	2	-	-	2
		TOTAL	**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts:** Points
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

Abbreviations

MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
****23** out of 200 FE and ICE MCQs will be from Committee III (Each question is of worth **0.5** pts).

COMMITTEE III - GASTROINTESTINAL SYSTEM
WEEK I / 10-14 Dec 2018

	Monday 10-Dec-2018	Tuesday 11-Dec-2018	Wednesday 12-Dec-2018	Thursday 13-Dec-2018	Friday 14-Dec-2018
09.00- 09.50	**Independent Learning**	**Lecture** Oral Pathology F. Özkan	**Lecture** Pathology of Stomach I F. Özkan	**ICP-CSL** (Advanced Cardiac Life Support) F. Menda / N. Kızılcık / T. Utku	**Lecture** Pathology of Liver I F. Özkan
10.00- 10.50	**Lecture** Semiology I M. Ergün	**Lecture** Pathology of Esophagus I F. Özkan	**Lecture** Pathology of Stomach II F. Özkan	**Group A** Small Group Study Scientific Project / **Group B** ICP / **Group C** IL / **Group D** IL	**Lecture** Pathology of Liver II F. Özkan
11.00- 11.50	**Lecture** Semiology II M. Ergün	**Lecture** Pathology of Esophagus II F. Özkan	**Lecture** Pathology of Intestinal Diseases I F. Özkan		**Lecture** Acute Gastroenteritis M. Sönmezoğlu
12.00- 12.50	**Lecture** Pathophysiology of Gastro–intestinal Disorders I M. Kaçar	**Lecture** Laxatives Pharmacology Lecturer	**Lecture** Pathology of Intestinal Diseases II F. Özkan	**Independent Learning**	**Lecture** Hepatitis I M. Sönmezoğlu
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathophysiology of Gastro–intestinal Disorders II M. Kaçar	**Lecture** Comparing Groups-countinous Data I Ç. Altunok	**Lecture** Approach to the Patient with Abdominal Pain Regarding to Primary Care G. İzbırak	**Lecture** Malabsorbtion M. Ergün	**Lecture** Functional GI Disorders & Irritable Bowel Disease M. Ergün
15.00- 15.50	**Lecture** Public Health and Nutrition I R.E. Sezer	**Lecture** Comparing Groups-countinous Data II Ç. Altunok	**Lecture** Approach to the Patient with Diarrhea Regarding to Primary Care Ö. Tanrıöver	**Lecture** Inflammatory Bowel Disease M. Ergün	**Lecture** Tumors of Eusophagus, Stomach and Small Intestine M. Ergün
16.00- 16.50	**Lecture** Public Health and Nutrition II R.E. Sezer	**Lecture** Clinical Approach to the Patient with Acute Abdominal Pain S. Sarıkaya	**Lecture** Gastrointestinal Bleedings in Children Ş. Karaçay	**Lecture** Food Poisoning A.Ç. Büke	**Lecture** Immunologic Tolerance and Autoimmunity G. Yanıkkaya Demirel
17.00-17.50	**Independent Learning**	**Lecture** Mesenteric Ischemia B. M. Ayvacı	**Independent Learning**	**Independent Learning**	**Lecture** Immunologic Tolerance and Autoimmunity G. Yanıkkaya Demirel

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE III - GASTROINTESTINAL SYSTEM
WEEK II / 17-21 Dec 2018

	Monday 17-Dec-2018	Tuesday 18-Dec-2018	Wednesday 19-Dec-2018	Thursday 20-Dec-2018	Friday 21-Dec-2018
09.00- 09.50	**Lecture** Gastritis and Helicobacter Pylori M. Ergün	**Lecture** Disease of the Bile Duct and Gall Bladder M. Ergün	**Lecture** Hepatitis II M. Sönmezoğlu	**ICP-CSL** (History taking and physical examination of gastrointestinal system) M Javadov /S. Özdemir / G.İzbırak	**ICP-CSL** (History taking and physical examination of gastrointestinal system) M. Javadov / S. Özdemir / G.İzbırak
10.00- 10.50	**Lecture** Gastroeusophegeal Reflux (GE) and Esophageal Motility Disorder M. Ergün	**Lecture** Abdominal Pain M. Ergün	**Lecture** Jaundice M. Ergün	**Group D** Small Group Study Scientific Project / **Group C ICP** / **Group A IL** / **Group B IL**	**Group A IL** / **Group B IL** / **Group D ICP** / **Group C** Small Group Study Scientific Project
11.00- 11.50	**Lecture** Agents used in the Treatment of Peptic Ulcer I E. Genç	**Lecture** Palliative Care Ethics E. Vatanoğlu Lutz	**Lecture** Chronic Viral Hepatitis M. Ergün		
12.00- 12.50	**Lecture** Agents used in the Treatment of Peptic Ulcer II E. Genç	**Lecture** Medical Ethical Decision-Making E. Vatanoğlu Lutz	**Lecture** Cirrhosis and Portal Hypertension M. Ergün	**Independent Learning**	**Independent Learning**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Peptic Ulcer Disease M. Ergün	**Lecture** Ethics and the Law E. Vatanoğlu Lutz	**Lecture** Pathology of Appendix & Peritoneum F. Özkan	**Pathology Laboratory** (Gastrointestinal System) F. Özkan/ A. Sav / **Group A** / **Group B IL**	**Lecture** Phytotherapy-IV E. Yeşilada
15.00- 15.50	**Lecture** Autoimmune Hepatitis M. Ergün	**Lecture** Public Health Ethics E. Vatanoğlu Lutz	**Lecture** Clinical Nutrition M. Uğraş	**Group A IL** / **Group B**	**Lecture** Phytotherapy-V E. Yeşilada
16.00- 16.50	**Lecture** Epidemiology, Prevention and Control of Obesity H. A. Taşyıkan	**Lecture** The Ethics of Patents on Life E. Vatanoğlu Lutz	**Lecture** Complex diseases-Inherited Gastrointestinal System Disorders A.Ç. Kuşkucu		**Lecture** Steatohepatitis M. Ergün
17.00-17.50	**Independent Learning**	**Independent Learning**	**Lecture** Complex diseases-Inherited Gastrointestinal System Disorders A.Ç. Kuşkucu	**Independent Learning**	**Lecture** Acute Liver Failure M. Ergün

COMMITTEE III - GASTROINTESTINAL SYSTEM
WEEK III / 24-28 Dec 2018

	Monday 24-Dec-2018	Tuesday 25-Dec-2018	Wednesday 26-Dec-2018	Thursday 27-Dec-2018	Friday 28-Dec-2018
09.00- 09.50	**Lecture** Pathology of Liver & Biliary System I Pathology Lecturer	**Lecture** Antiemetic Agents Pharmacology Lecturer	**Lecture** Toxic Hepatitis M. Ergün	**ICP-CSL** (History taking and physical examination of gastrointestinal system) M. Javadov / S. Özdemir / G. İzbırak	**ICP-CSL** (History taking and physical examination of gastrointestinal system) M. Javadov / S. Özdemir / G. İzbırak
10.00- 10.50	**Lecture** Pathology of Liver & Biliary System II Pathology Lecturer	**Lecture** Digestive & Antidiarrheal Drugs Pharmacology Lecturer	**Lecture** Mass Lesions of the Liver M. Ergün	**Group C IL** / **Group D IL** / **Group A Small Group Study** Scientific Project / **Group B**	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C IL** / **Group D IL**
11.00- 11.50	**Lecture** Pathology of Liver & Biliary System III Pathology Lecturer	**Lecture** Ethics of Dealing with Addiction E. Vatanoğlu Lutz	**Lecture** Transplantation of liver G. Tellioğlu		
12.00- 12.50	**Lecture** Pathology of Liver & Biliary System IV Pathology Lecturer	**Lecture** Ethics of Elective Interventions E. Vatanoğlu Lutz	**Lecture** Radiology of Gastrointestinal System O.M.Topçuoğlu	**Independent Learning**	**Independent Learning**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Pathology Laboratory** (Gastrointestinal System) F. Özkan/ A. Sav / **Group B** / **Group A IL**	**Lecture** The Ethics of Testing and Screening E. Vatanoğlu Lutz	**Lecture** Phytotherapy-VI E. Yeşilada	**Lecture** Wilson Disease and Hemochromatisis M. Ergün	**Lecture** Premalignant Lesion of the Colon M. Ergün
15.00- 15.50		**Lecture** The Ethics of Dealing with Infectious Diseases E. Vatanoğlu Lutz	**Lecture** Comparing Groups-categorical Data Ç. Altunok	**Lecture** Acute and Chronic Pancreatitis M. Ergün	**Lecture** Alcoholic Liver Disease M. Ergün
16.00- 16.50	**Group B IL** / **Group A**	**Lecture** Ethical Issues at the End of Life E. Vatanoğlu Lutz	**Independent learning**	**Lecture** Tumors of the Bile Ducts and Pancreas M. Ergün	**Multidisciplinary Case Discussion Panel**
17.00-17.50	**Independent learning**	**Independent learning**	**Independent learning**	**Independent learning**	**Multidisciplinary Case Discussion Panel**

COMMITTEE III - GASTROINTESTINAL SYSTEM
WEEK IV / 31 Dec 2018 - 4 Jan 2019

	Monday 31-Dec-2018	Tuesday 1-Jan-2019	Wednesday 2-Jan-2019	Thursday 3-Jan-2019	Friday 4-Jan-2019
09.00- 09.50	Independent Learning	New Year's Day	Independent Learning	Independent Learning	Independent Learning
10.00- 10.50					COMMITTEE EXAM
11.00- 11.50					
12.00- 12.50					
12.50 – 14.00	LUNCH BREAK				
14.00- 14.50	Independent learning	New Year's Day	Independent Learning	Independent Learning	**Program Evaluation Session** Committee III Coordination Committee Members
15.00 -15.50					Independent Learning
16.00 - 16.50					
17.00 - 17.50					

COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS

DISTRIBUTION of LECTURE HOURS

January 7, 2019 – March 22, 2019

COMMITTEE DURATION: 9 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	PATHOLOGY	PT	32		1x2=2 (2 Groups)		**34**
	OBST & GYNEC	OBS-GYN	16				**16**
	ENDOCRINOLOGY	END	15				**15**
	NEPHROLOGY	NE	15				**15**
	PHARMACOLOGY	PC	14				**14**
	INFECTIOUS DISEASES	ID	5				**5**
	MEDICAL MICROBIOLOGY	MM	0		2x1=2 (4 Groups)		**2**
	PATHOPHYSIOLOGY	PP	7				**7**
	MEDICAL GENETICS	MG	6				**6**
	PEDIATRICS	PED	6				**6**
	UROLOGY	URO	5				**5**
	FAMILY MEDICINE	FM	5				**5**
	PUBLIC HEALTH	PH	4				**4**
	BIOSTATISTICS	BS	3				**3**
	IMMUNOLOGY	IM	2				**2**
	BIOMEDICAL ETHICS&DEONTOLOGY	BED	2				**2**
	PHYTOTHERAPY	PHR (PHY)	2				**2**
	RADIOLOGY	RAD	2				**2**
	EMERGENCY MEDICINE	EM	1				**1**
	PEDIATRIC SURGERY	PED-S	1				**1**
	HISTOLOGY	HST	1				**1**
	GENERAL SURGERY	GS	1				**1**
	SCIENTIFIC PROJECTS- III	SP				2x2=4 (4 Groups)	**4**
	INTERDISCIPLINARY	MCDP				2	**2**
	TOTAL		145		4	6	**155**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1x3=3 (4 Groups) 1x2=2 (4 Groups) 1x3=3 (4 Groups)		**8**
TOTAL			**145**		**12**	**6**	**163**

Coordination Committee

HEAD	Hasan Aydın, MD, Prof.
SECRETARY	Belma Haliloğlu, MD, Assoc. Prof.
MEMBER	Gülçin Kantarcı, MD, Prof.
MEMBER	Rukset Attar, MD, Assoc. Prof.
MEMBER	Erdem Söztutar, MD, Assist. Prof.

COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
PATHOLOGY	Aydın Sav, MD, Prof. Ferda Özkan, MD, Prof.
OBSTETRICS and GYNECOLOGY	N. Cem Fıçıcıoğlu, MD, Prof. Orhan Ünal, MD, Prof. Selçuk Özden, MD, Prof. Rukset Attar, MD, Assoc. Prof. Gazi Yıldırım, MD, Assoc. Prof.
ENDOCRINOLOGY	Hasan Aydın, MD, Prof. Şule Temizkan, MD, Assoc. 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, PhD, Assoc. Prof.
PUBLIC HEALTH	Recep Erol Sezer, MD, Prof. Hale Arık Taşyıkan, MD, Assist. Prof.
FAMILY MEDICINE	Özlem Tanrıöver, MD, Assoc. Prof. Ayşe Arzu Akalın, MD, Assist. Prof.
PEDIATRICS	Filiz Bakar, MD, Prof. 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.
HISTOLOGY & EMBRYOLOGY	Oya Alagöz, MD, Assist. Prof.
NEPHROLOGY	Gülçin Kantarcı, MD, Prof. Sara Yavuz, MD, Assist. Prof.
UROLOGY	Faruk Yencilek, MD, Prof.
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, Assoc. Prof.
SCIENTIFIC PROJECTS- III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Filiz Bakar, MD, Prof. Rukset Attar, MD, Assoc. Prof. Gazi Yıldırım, MD, Assoc. Prof. Özlem Tanrıöver, MD, Assoc. Prof. Ayşe Arzu Akalın, MD, Assist. Prof. Mustafa Berber, MD, Assist. Prof.

COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS

AIMS and LEARNING OBJECTIVES

ENDOCRINE & REPRODUCTIVE SYSTEMS

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, embryology, histology and physiology of endocrine and reproductive systems,
2. ***to convey*** knowledge on health care service practices related to reproductive care,
3. ***to convey*** knowledge on etiopathogenesis of 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 related to endocrine and reproductive systems,
4. ***to convey*** knowledge on epidemiology of 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 related to endocrine and reproductive systems,
5. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to endocrine and reproductive systems,
6. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to endocrine and reproductive systems,
7. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to endocrine and reproductive systems, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
8. ***to convey*** knowledge on pharmacology of drugs that are effective on endocrine and reproductive systems or on clinical conditions involving endocrine and reproductive systems,
9. ***to convey*** knowledge on genetics of endocrine and reproductive systems,
10. ***to convey*** knowledge on phytotherapeutic agents that are effective on endocrine system or on clinical conditions involving endocrine system,
11. ***to convey*** knowledge on design and biostatistical analysis of survival research,
12. ***to convey*** knowledge on legal regulations and ethical principles related to reproductive care,
13. ***to equip with*** basic and advanced clinical skills (*normal spontaneous vaginal delivery on phantom model-C5*) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, embryology, histology and physiology of endocrine and reproductive systems,
2.0. ***explain*** physiology of normal spontaneous vaginal delivery,
3.0. ***define*** practice of reproductive care,
4.0. ***explain*** etiopathogenesis of clinical conditions (menstrual cycle/developmental conditions/congenital and sexually transmitted infections) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,

5.0. ***explain*** epidemiology of 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 related to endocrine and reproductive systems,

6.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to endocrine and reproductive systems,

7.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to endocrine and reproductive systems,

8.0. at multi-system level and/or related to endocrine and reproductive systems,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

8.1. practice of history taking and physical examination (gynecological-C5, breast-C5)

8.2. evaluation of emergency case

8.3. approach to healthy individual or patient (pregnancy-C5)

8.4. laboratory tests/examinations (venous blood collection-C5, throat swab specimen-C5, sputum sample collection-C5, thyroid function tests-C5, diabetes tests-C5, rapid screening [antigen/antibody] tests-C5, throat culture-C5, sputum culture-C5)

8.5. imaging tests/examinations (radiological examinations in gynecology-C5, breast imaging-C5, radioisotope imaging of thyroid and parathyroid-C5)

8.6. point of care testing (diabetes tests-C5, rapid screening [antigen/antibody] tests-C5)

8.7. making preliminary diagnosis or definitive diagnosis decision

8.8. making non-intervention or intervention decision

8.9. practicing non-intervention or intervention

8.10. referral/transport of healthy individual or patient

9.0. ***explain*** pharmacology of drugs (hypothalamic and pituitary hormones, drugs effecting functions and action of oxytocin and ADH, thyroid and antithyroid drugs, adrenocortical hormones and drugs, insulin and oral antidiabetic drugs, estrogens, progestines and inhibitors) that are effective on endocrine and reproductive systems or on clinical conditions involving endocrine and reproductive systems,

10.0. ***explain*** genetics of endocrine and reproductive systems,

11.0. ***explain*** mechanisms of action for phytotherapeutic agents that are effective on endocrine system or in clinical conditions related to endocrine system,

12.0. ***define*** design and biostatistical analysis of survival research,

13.0. ***explain*** legal regulations and ethical principles related to reproductive care,

14.0. ***perform*** basic clinical skills, practiced on phantom models (normal spontaneous vaginal delivery-C5), and advanced clinical skills, practiced on simulated/standardized patients required at primary health care service.

URINARY SYSTEM

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of urinary system,
2. ***to convey*** knowledge on etiopathogenesis of 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 related to urinary system,
3. ***to convey*** knowledge on epidemiology of 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 related to urinary system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to urinary system,
5. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to urinary system
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to urinary system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, **at the** level of primary health care service,
7. ***to convey*** knowledge on pharmacology of drugs that are effective on urinary system or on clinical conditions involving urinary system,
8. ***to convey*** knowledge on genetics of urinary system,
9. ***to convey*** knowledge on phytotherapeutic agenst that are effective on urinary system or on clinical conditions involving urinary system,
10. ***to convey*** knowledge on use of biostatistical software and presentation of results,
11. ***to convey*** knowledge on legal regulations and ethical principles related to reproductive care,
12. ***to equip with*** basic and advanced clinical skills *(gynecological examination-C6, "Pap-smear" collection-C6, intrauterine device placement-C6, breast examination-C6, physical examination in neonate, infant and prepubertal/pubertal child-C6)* required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1. ***recall*** anatomy, histology and physiology of urinary system,
2. ***explain*** etiopathogenesis of clinical conditions (renal hemodynamics, acid-base equilibrium, renal clinical conditions, urinary system stones, urinary system infections) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to urinary system,
3. ***explain*** epidemiology of 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 related to cardiovascular and respiratory systems,
4. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to urinary system,
5. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to urinary system,
6. at multi-system level and/or related to urinary system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

6.1. practice of history taking and physical examination (neonatal, prepubertal/pubertal-C6)
6.2. evaluation of emergency case (urological emergencies-C6)
6.3. approach to healthy individual or patient (urethral-vaginal-cervical discharge/swab specimen-C6, fecal specimen collection-C6)
6.4. laboratory tests/examinations (urethral-vaginal-cervical discharge culture-C6, fecal culture-C6)
6.5. imaging tests/examinations (uroradiology-C6, renal scintigraphy (GFR, ERPF, Renogram)-C6)
6.6. point of care testing
6.7. making preliminary diagnosis or definitive diagnosis decision
6.8. making non-intervention or intervention decision
6.9. practicing non-intervention or intervention
6.10. referral/transport of healthy individual or patient

7. ***explain*** pharmacology of drugs that are effective on urinary system or on clinical conditions involving urinary system,
8. ***explain*** pharmacology of androgens and anabolic steroids, and drugs that affect bone mineral homeostasis,
9. ***explain*** genetics of urinary system,
10. ***explain*** mechanisms of action for action for phytotherapeutic agents that are effective on urinary system or in clinical conditions related to urinary system,
11. ***define*** use of biostatistical software and presentation of results,
12. ***perform*** basic clinical skills, practiced on phantom models, and advanced clinical skills, practiced on simulated/standardized patients (gynecological examination-C6, “Pap-smear” collection-C6, intrauterine device placement-C6, breast examination-C6, physical examination in neonate, infant and prepubertal/pubertal child-C6), required at primary health care service.

COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS
COMMITTEE ASSESSMENT MATRIX

PHASE III
COURSE: MED 302 INTRODUCTION TO CLINICAL SCIENCES
COURSE COMPONENT: COMMITTEE IV - ENDOCRINE, REPRODUCTIVE & URINARY SYSTEMS

QUESTION DISTRIBUTION TABLE

LEARNING OBJECTIVE	DISCIPLINE	LECTURER/ INSTRUCTOR	NUMBER OF QUESTIONS (MCQ)			
			CE	FE	IE	Total
1.0, 4.0, 7.0, 8.4	PT	F. Özkan	20	10	10	**40**
1.0, 4.0, 7.0, 8.4		A. Sav				
1.0-8.0	OBS-GYN	C. Fıçıcıoğlu	10	5	5	**20**
1.0-8.0		S. Özden				
1.0-8.0		R. Attar				
1.0-8.0		G. Yıldırım				
1.0, 4.0-8.0	END	H. Aydın	9	5	5	**19**
		Ş. Temizkan				
1.0.-6.0.	NE	G. Kantarcı	9	5	5	**19**
1.0.-6.0.		S. Yavuz				
9.0	PC	E. Genç	9	4	4	**17**
9.0		E. N. Özdamar				
4.0, 5.0, 6.0, 7.0, 8.0	IDCM	M. Sönmezoğlu	3	2	2	**7**
4.0, 5.0, 6.0, 7.0, 8.4		A. Ç. Büke				
4.0, 7.0	PP	M. Kaçar	4	2	2	**8**
10.0	MG	A. Ç. Kuşkucu	4	2	2	**8**
1.0, 4.0-8.0	PED	F. Bakar	4	2	2	**8**
		B. Haliloğlu				
		M. Berber				
		T. Coşkun				
1.0.-6.0.	URO	F. Yencilek	3	2	2	**7**
6.0, 8.0,8.1, 8.3.	FM	A. Akalın	3	2	2	**7**
8.3.		Ö. Tanrıöver				
5.0, 6.0	PH	R. E. Sezer	2	1	1	**4**
5.0, 6.0		H.A. Taşyıkan				
12.0	BS	Ç. Altunok	2	1	1	**4**
	IMM	G. Y. Demirel	1	1	1	**3**
10.0	BED	E. Vatanoğlu Lutz	1	1	1	**3**
	PHR (PHY)	E. Yeşilada	1	1	1	**3**
8.5.	RAD	Ö. Sarıca	1	1	1	**3**
	EM	E. G. Gencer	1	0	0	**1**
1.0.-6.0.	PED-S	Ş. Karaçay	1	0	0	**1**
1.0	HST	O. Akçin	1	0	0	**1**
1.0.-6.0.	GS	G. Tellioğlu	1	0	0	**1**
		TOTAL	**90**	**47**	**47**	**184**

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/ INSTRUCTOR	NUMBER OF QUESTIONS (EMQ)			
			CE	FE	IE	Total
1.0, 4.0-8.0	END	H. Aydın	1	-	-	**1**
1.0-8.0	OBS-GYN	R. Attar	1	-	-	**1**
1.0.-6.0.	NE	G. Kantarcı	1	-	-	**1**
1.0.-6.0.	URO	F. Yencilek	1	-	-	**1**
1.0, 4.0, 7.0, 8.4	PT	F. Özkan	1	-	-	**1**
		TOTAL	**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**

*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

Abbreviations

MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
pts: Points
****45** out of 200 FE and ICE MCQs will be from Committee IV (Each question is of worth **0.5** pts).

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEM WEEK I / 7-11 Jan 2019

	Monday 7-Jan-2019	Tuesday 8-Jan-2019	Wednesday 9-Jan-2019	Thursday 10-Jan-2019	Friday 11-Jan-2019
09.00- 09.50	**Independent Learning**	**Lecture** Pathology of Endocrine System: Introduction A. Sav	**ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar / G. Yıldırım **ICP-CSL** (Physical examination of the newborn and child patient) Ç. Ayanoğlu/ M. Berber	**Independent Learning**	**Independent Learning**
10.00- 10.50	**Lecture** Pathophysiology of Endocrine System Diseases I M. Kaçar	**Lecture** Pathology of Pituitary Gland I A. Sav	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C ICP-CSL** / **Group D IL**	**Independent Learning**	**Lecture** Introduction to Endocrine Pharmacology E. Genç
11.00- 11.50	**Lecture** Pathophysiology of Endocrine System Diseases II M. Kaçar	**Lecture** Pathology of Pituitary Gland II A. Sav		**Introduction to Elective Course (İnan Kıraç Konferans Salonu)**	**Lecture** Thyroid and Antithyroid Drugs I E. Genç
12.00- 12.50	**Lecture** Pathophysiology of Endocrine System Diseases III M. Kaçar	**Lecture** Imaging of Thyroid Glands Ö. Sarıca	**Independent Learning**	**Introduction to Elective Course (İnan Kıraç Konferans Salonu)**	**Lecture** Thyroid and Antithyroid Drugs II E. Genç
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Introduction to Endocrinology H. Aydın	**Lecture** Calcium Metabolism Ş. Temizkan	**Lecture** Normal Pubertal Development B. Haliloğlu	**Lecture** Pathology of Adrenal Gland I A. Sav	**Lecture** Pathology of Thyroid & Parathyroid I A. Sav
15.00- 15.50	**Lecture** Hyperfunctioning Disorders of Anterior Pituitary Gland H. Aydın	**Lecture** Hypertensive Disorders in Pregnancy E.G. Gencer	**Lecture** Pubertal Disorders B. Haliloğlu	**Lecture** Pathology of Adrenal Gland II A. Sav	**Lecture** Pathology of Thyroid & Parathyroid II A. Sav
16.00- 16.50	**Lecture** Disorders of Posterior Pituitary Gland H. Aydın	**Lecture** Physical examination of newborn patient M. Berber	**Lecture** Pathophysiology of Reproductive System Diseases I M. Kaçar	**Lecture** Congenital Adrenal Hyperplasia B. Haliloğlu	**Independent Learning**
17.00-17.50	**Lecture** Hypopituatirism H. Aydın	**Lecture** Physical examination of child patient M. Berber	**Lecture** Pathophysiology of Reproductive System Diseases II M. Kaçar	**Independent Learning**	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK II / 14 – 18 Jan 2019

	Monday 14-Jan-2019	**Tuesday 15-Jan-2019**	**Wednesday 16-Jan-2019**	**Thursday 17-Jan-2019**				**Friday 18-Jan-2019**
09.00- 09.50	**Lecture** Hypocalcemic Diseases H. Aydın	**Lecture** Obesity Ş. Temizkan	**Lecture** The Gynecological History and Examination G. Yıldırım	**ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar / G. Yıldırım		**ICP-CSL** (Physical examination of the newborn and child patient) Ç.Ayanoğlu/ M. Berber		**Lecture** Adrenocortical Hormones and Drugs I E. Genç
10.00- 10.50	**Lecture** Adrenal Disorders H. Aydın	**Lecture** Diffuse Hormonal Systems and Endocrine Tumor Syndromes Ş. Temizkan	**Lecture** Endometriosis & Adenomyosis G. Yıldırım	**Group A** **Small Group Study** Scientific Project	**Group B** **ICP**	**Group C** **IL**	**Group D** **ICP-CSL**	**Lecture** Adrenocortical Hormones and Drugs II E. Genç
11.00- 11.50	**Lecture** Hypoglycemia H. Aydın	**Lecture** Introduction to Diabetes Mellitus Ş. Temizkan	**Lecture** Insulin and Oral Antidiabetic Drugs I E. Genç					**Lecture** Pathology of Vulva & Vagina F. Özkan
12.00- 12.50	**Lecture** Hypercalcemic Diseases H. Aydın	**Lecture** Clinical and Laboratory Findings of Diabetes Mellitus Ş. Temizkan	**Lecture** Insulin and Oral Antidiabetic Drugs II E. Genç	**Independent Learning**				**Lecture** Pathology of Treponemal Infections F. Özkan
12.50-14.00	**LUNCH BREAK**							
14.00- 14.50	**Lecture** Pathology of Pancreas I A. Sav	**Lecture** Reproductive, Maternal and Child Health I H. A. Taşyıkan	**Lecture** Immunology of reproduction G. Yanıkkaya Demirel	**Lecture** Pathology of Cervix Uteri I F. Özkan				**Lecture** Pathology of Uterus I F. Özkan
15.00- 15.50	**Lecture** Pathology of Pancreas II A. Sav	**Lecture** Reproductive, Maternal and Child Health II H. A. Taşyıkan	**Lecture** Immunology of reproduction G. Yanıkkaya Demirel	**Lecture** Pathology of Cervix Uteri II F. Özkan				**Lecture** Pathology of Uterus II F. Özkan
16.00- 16.50	**Lecture** Pathology of Breast I F. Özkan	**Lecture** Reproductive, Maternal and Child Health III H. A. Taşyıkan	**Lecture** Conditions affecting Vulva & Vagina O. Ünal	**Lecture** Pathology of Pregnancy & Placenta F. Özkan				**Independent Learning**
17.00-17.50	**Lecture** Pathology of Breast II F. Özkan	**Independent Learning**	**Independent Learning**	**Independent Learning**				**Independent Learning**

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS
WEEK III / 21-25 Jan 2019

	Monday 21-Jan-2019	Tuesday 22-Jan-2019	Wednesday 23-Jan-2019	Thursday 24-Jan-2019	Friday 25-Jan-2019
09.00-09.50	**Lecture** Estrogens, Progestines and Inhibitors I Pharmacology Lecturer	**Lecture** Relation Between Two Variables I Ç. Altunok	**Lecture** Genetic disorders of gonadal development A. Ç. Kuşkucu	**ICP-CSL** (Physical examination of the newborn and child patient) Ç. Ayanoğlu/ M. Berber / **ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar / G. Yıldırım	**Lecture** The Menstrual Cycle and Disorders of the Menstrual Cycle R. Attar
10.00-10.50	**Lecture** Estrogens, Progestines and Inhibitors II Pharmacology Lecturer	**Lecture** Relation Between Two Variables II Ç. Altunok	**Lecture** Genetic disorders of gonadal development A. Ç. Kuşkucu	**Group A IL** / **Group B ICP-CSL** / **Group C ICP** / **Group D Small Group Study** Scientific Project	**Lecture** Normal and Abnormal Sexual Development & Puberty R. Attar
11.00-11.50	**Lecture** Medical History for Breast Diseases in Primary Care & Clinical Breast Examination A. Akalın	**Lecture** Pathology of Ovary I F. Özkan	**Lecture** Thyroid Function Tests Ş. Temizkan		**Lecture** Antenatal Care S. Özden
12.00-12.50	**Independent Learning**	**Lecture** Pathology of Ovary II F. Özkan	**Lecture** Thyroid Disorders Ş. Temizkan	**Independent Learning**	**Lecture** Disorders of Early Pregnancy (Miscarriage; Ectopic; GTD) S. Özden
12.50-14.00	**LUNCH BREAK**				
14.00-14.50	**Microbiology Laboratory** (Diagnostic tests of urinary specimens) Microbiology Instructors	**Independent Learning**	**Lecture** Puerperal Infections S. Özden	**ICP-CSL** (Physical examination of the newborn and child patient) Ç. Ayanoğlu / M. Berber / **ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar / G. Yıldırım	**Independent Learning**
15.00-15.50	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Microbiology Laboratory** (Diagnostic tests of urinary specimens) / **Group C** / **Group D IL** / **Group A & B IL**	**Lecture** Normal and Abnormal Labor S. Özden	**Group A ICP-CSL** / **Group B IL** / **Group C Small Group Study** Scientific Project / **Group D ICP**	**Independent Learning**
16.00-16.50	**Group A IL** / **Group B** / **Group C IL** / **Group D**		**Independent Learning**		**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

MIDTERM BREAK

28 JANUARY – 8 FEBRUARY 2019

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK IV / 11-15 Feb 2019

<table>
<tr><th></th><th>Monday
11-Feb-2019</th><th>Tuesday
12-Feb-2019</th><th>Wednesday
13-Feb-2019</th><th colspan="4">Thursday
14-Feb-2019</th><th>Friday
15-Feb-2019</th></tr>
<tr><td>09.00- 09.50</td><td>Lecture
Imaging of Urinary System
M. Topçuoğlu</td><td rowspan="3">OSCE-I EXAM</td><td rowspan="3">OSCE-I EXAM</td><td colspan="4">ICP-CSL
(Clinical breast examination)
A. Akalın/
Ö. Tanrıöver</td><td>Lecture
Fluid, Electrolyte I
G. Kantarcı</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture
Menopause
C. Fıçıcıoğlu</td><td rowspan="2">Group A
ICP</td><td rowspan="2">Group B
Small Group Study
Scientific Project</td><td rowspan="2">Group C IL</td><td rowspan="2">Group D IL</td><td>Lecture
Fluid, Electrolyte II
G. Kantarcı</td></tr>
<tr><td>11.00- 11.50</td><td>Lecture
Fertility Control
C. Fıçıcıoğlu</td><td>Lecture
Phytotherapy-VII
E. Yeşilada</td></tr>
<tr><td>12.00- 12.50</td><td>Lecture
Infertility
C. Fıçıcıoğlu</td><td colspan="4">Independent Learning</td><td>Lecture
Phytotherapy-VIII
E. Yeşilada</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="8">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td>Lecture
Malign Diseases of the Uterus and the Cervix
O. Ünal</td><td rowspan="4">OSCE-I EXAM</td><td rowspan="4">OSCE-I EXAM</td><td colspan="2" rowspan="2">ELECTIVE
WEEK I</td><td colspan="2" rowspan="2">Independent
Learning</td><td>Lecture
Renovascular Pathology
Pathology Lecturer</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Malign Diseases of the Ovary
O. Ünal</td><td>Lecture
Renal Cystic Disease
Pathology Lecturer</td></tr>
<tr><td>16.00- 16.50</td><td>Independent Learning</td><td colspan="2" rowspan="2">Independent
Learning</td><td colspan="2" rowspan="2">ELECTIVE
WEEK I</td><td>Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td>Independent Learning</td><td>Independent Learning</td></tr>
</table>

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK V / 18-22 Feb 2019

	Monday 18-Feb-2019	Tuesday 19-Feb-2019	Wednesday 20-Feb-2019	Thursday 21-Feb-2019	Friday 22-Feb-2019
09.00- 09.50	**Lecture** Pathology of Glomerular Diseases I Pathology Lecturer	**Lecture** Pathology of Tubulointerstitial Disease I Pathology Lecturer	**Lecture** Benign Diseases of the Uterus and the Cervix R. Attar	**ICP-CSL** (Clinical breast examination) A. Akalın/ Ö. Tanrıöver	**Lecture** Agents Effecting Bone Mineral Homeostasis I E. Genç
10.00- 10.50	**Lecture** Pathology of Glomerular Diseases II Pathology Lecturer	**Lecture** Pathology of Tubulointerstitial Disease II Pathology Lecturer	**Lecture** Benign Diseases of the Ovary R. Attar	**Group A IL** / **Group B IL** / **Group C** Small Group Study Scientific Project / **Group D**	**Lecture** Agents Effecting Bone Mineral Homeostasis II E. Genç
11.00- 11.50	**Lecture** Pathology of Glomerular Diseases III Pathology Lecturer	**Lecture** Chromosomal Disorders I A. Ç. Kuşkucu	**Lecture** Nephritic Syndrome S. Yavuz		**Lecture** Pathophysiology of Urinary System Diseases I M. Kaçar
12.00- 12.50	**Lecture** Androgens & Anabolic Steroids E. Genç	**Lecture** Chromosomal Disorders II (Sex chromosomes and their abnormalities) A. Ç. Kuşkucu	**Lecture** Nephrotic Syndrome S. Yavuz	**Independent Learning**	**Lecture** Pathophysiology of Urinary System Diseases II M. Kaçar
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Hypothalamic and Pituitary Hormones I Pharmacology Lecturer	**Lecture** Reproductive Ethics E. Vatanoğlu Lutz	**Independent Learning**	**ELECTIVE WEEK II** / **Independent Learning**	**Independent Learning**
15.00- 15.50	**Lecture** Hypothalamic and Pituitary Hormones II Pharmacology Lecturer	**Lecture** Gene Ethics E. Vatanoğlu Lutz	**Independent Learning**		**Independent Learning**
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning** / **ELECTIVE WEEK II**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		**Independent Learning**

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK VI / 25 Feb - 1 Mar 2019

<table>
<tr><th></th><th>Monday
25-Feb-2019</th><th>Tuesday
26-Feb-2019</th><th>Wednesday
27-Feb-2019</th><th>Thursday
28-Feb-2019</th><th colspan="5">Friday
1-Mar-2019</th></tr>
<tr><td>09.00- 09.50</td><td>Lecture
Chronic Kidney Disease
G. Kantarcı</td><td>Lecture
Pathology of Bladder
Pathology Lecturer</td><td>Lecture
Epidemiology, Prevention and Control of Type II Diabetes Mellitus
R. E. Sezer</td><td>Independent Learning</td><td rowspan="2">Microbiology Laboratory
(Diagnostic tests of urogenital specimens)
Microbiology Instructors</td><td>Group D</td><td>Group C IL</td><td rowspan="2">Group A & B IL</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture
Chronic Kidney Disease
G. Kantarcı</td><td>Lecture
Pathology of Urinary System Tumors
Pathology Lecturer</td><td>Lecture
Acid/ Base Balance I
S. Yavuz</td><td>Independent Learning</td><td>Group D IL</td><td>Group C</td></tr>
<tr><td>11.00- 11.50</td><td>Lecture
Urologic Oncology I
F. Yencilek</td><td>Lecture
Congenital Anomalies of Urinary System
Pathology Lecturer</td><td>Lecture
Acid/ Base Balance II
S. Yavuz</td><td>Independent Learning</td><td rowspan="2">Microbiology Laboratory
(Diagnostic tests of urogenital specimens)
Microbiology Instructors</td><td rowspan="2">Group D & C IL</td><td>Group B</td><td>Group A IL</td></tr>
<tr><td>12.00- 12.50</td><td>Lecture
Urologic Oncology II
F. Yencilek</td><td>Independent Learning</td><td>Lecture
Approach to the Patient with Urinary Tract Symptoms
A. Akalın</td><td>Independent Learning</td><td>Group B IL</td><td>Group A</td></tr>
<tr><td>12.50 -14.00</td><td colspan="8">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2">ICP-CSL
(Clinical breast examination)
A. Akalın / Ö. Tanrıöver</td><td colspan="2">ICP-CSL
(Clinical breast examination)
A. Akalın /
Ö. Tanrıöver</td><td>Independent Learning</td><td rowspan="2">ELECTIVE WEEK III</td><td rowspan="2">Independent Learning</td><td colspan="3">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="2">Group A
Small Group Study
Scientific Project</td><td rowspan="2">Group B ICP</td><td rowspan="2">Group C & D IL</td><td rowspan="2">Group A IL</td><td rowspan="2">Group B IL</td><td rowspan="2">Group C ICP</td><td rowspan="2">Group B
Small Group Study
Scientific Project</td><td>Independent Learning</td><td colspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td><td>Independent Learning</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK III</td><td colspan="3">Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td colspan="2">Independent Learning</td><td colspan="2">Independent Learning</td><td>Independent Learning</td><td colspan="3">Independent Learning</td></tr>
</table>

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK VII / 4-8 Mar 2019

	Monday 4-Mar-2019			Tuesday 5-Mar-2019	Wednesday 6-Mar-2019	Thursday 7-Mar-2019		Friday 8-Mar-2019
09.00- 09.50	Pathology Laboratory (Urinary System) A.Sav / F. Özkan	Group A IL	Group B	**Lecture** Prenatal Genetic Diagnosis A. Ç. Kuşkucu	**Independent Learning**	Independent Learning		**Independent Learning**
10.00- 10.50		Group A	Group B IL	**Lecture** Genetic Counseling A. Ç. Kuşkucu	**Independent Learning**			**Independent Learning**
11.00- 11.50				**Lecture** Relation Between Several Variables Ç. Altunok	**Lecture** Acute Kidney Injury-I G. Kantarcı			**Lecture** Pathology of Male Genital System I Pathology Lecturer
12.00- 12.50	**Independent Learning**			**Lecture** Transplantation of Kidney G. Tellioğlu	**Lecture** Acute Kidney Injury-II G. Kantarcı			**Lecture** Pathology of Male Genital System II Pathology Lecturer
12.50- 14.00	**LUNCH BREAK**							
14.00- 14.50	Pathology Laboratory (Urinary System) A.Sav / F. Özkan	Group A IL	Group B	**Lecture** Nephritic and Nephrotic Syndrome D. Torlak	**Lecture** The Kidney Systemic Disease and Inherited Disorders G. Kantarcı	ELECTIVE WEEK IV	Independent Learning	**Independent Learning**
15.00- 15.50		Group A	Group B IL	**Independent Learning**	**Lecture** The Kidney Systemic Disease and Inherited Disorders G. Kantarcı			**Independent Learning**
16.00- 16.50				**Independent Learning**	**Lecture** Delivery of Family Planning Services I A. Akalın	Independent Learning	ELECTIVE WEEK IV	**Independent Learning**
17.00-17.50	**Independent Learning**			**Independent Learning**	**Lecture** Delivery of Family Planning Services II A. Akalın			

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK VIII / 11 - 15 Mar 2019

	Monday 11-Mar-2019	Tuesday 12-Mar-2019	Wednesday 13-Mar-2019	Thursday 14-Mar-2019	Friday 15-Mar-2019
09.00- 09.50	**Lecture** Congenital Infections and Sexually Transmitted Diseases, Genital Infections I M. Sönmezoğlu	**Lecture** Clinical Study of Renal Functions and Urinary Findings S. Yavuz	**Lecture** Benign Prostatic Hyperplasia-I F. Yencilek	**PHYSICIANS' DAY**	**Independent Learning**
10.00- 10.50	**Lecture** Congenital Infections and Sexually Transmitted Diseases, Genital Infections II M. Sönmezoğlu	**Lecture** Tubulointerstitial Diseases S. Yavuz	**Lecture** Benign Prostatic Hyperplasia-II F. Yencilek		
11.00- 11.50	**Lecture** Congenital Infections and Sexually Transmitted Diseases, Genital Infections III M. Sönmezoğlu	**Lecture** Tubulointerstitial Diseases S. Yavuz	**Lecture** Urologic Emergencies F. Yencilek		
12.00- 12.50	**Lecture** Congenital Anomalies of The Urinary System Ş. Karaçay	**Lecture** General Approach to the Pregnant Woman Ö. Tanrıöver	**Lecture** Embryology O. Alagöz		
12.50- 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Upper and Lower Urinary Tract Infections I A. Ç. Büke	**Independent Learning**	**Multidisciplinary Case Discussion Panel**	**PHYSICIANS' DAY**	**Independent Learning**
15.00- 15.50	**Lecture** Upper and Lower Urinary Tract Infections II A. Ç. Büke	**Independent Learning**	**Multidisciplinary Case Discussion Panel**		
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		

COMMITTEE IV – ENDOCRINE, REPRODUCTIVE and URINARY SYSTEMS

WEEK IX / 18 - 22 Mar 2019

<table>
<tr><th></th><th>Monday
18-Mar-2019</th><th>Tuesday
19-Mar-2019</th><th>Wednesday
20-Mar-2019</th><th>Thursday
21-Mar-2019</th><th>Friday
22-Mar-2019</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3" colspan="2">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td><td rowspan="2">Independent Learning</td><td rowspan="2">Independent Learning</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK V</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>12.50- 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="2">Program Evaluation Session
Committee IV
Coordination Committee Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">ELECTIVE WEEK V</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
<tr><td>17.00-17.50</td></tr>
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COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY

DISTRIBUTION of LECTURE HOURS

March 25, 2019 – May 10, 2019

COMMITTEE DURATION: 7 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	NEUROSURGERY	NRS	15	1x2=2 (2 Groups)			**17**
	NEUROLOGY	NR	13	1x4=4 (2 Groups)			**17**
	PHARMACOLOGY	PC	17				**17**
	PATHOLOGY	PT	11		1x2=2 (2 Groups)		**13**
	PSYCHIATRY	PCH	12				**12**
	PEDIATRICS	PED	4				**4**
	PUBLIC HEALTH	PH	4				**4**
	FAMILY MEDICINE	FM	4				**4**
	BIOISTATISTICS	BS	3				**3**
	CHILD PSYCHIATRY	C-PCH	3				**3**
	MEDICAL GENETICS	MG	3				**3**
	OPHTALMOLOGY	OPT	3				**3**
	PATHOPHYSIOLOGY	PP	2				**2**
	IMMUNOLOGY	IMM	2				**2**
	INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY	IDCM	2				**2**
	RADIOLOGY	RAD	1				**1**
	EMERGENCY MEDICINE	EM	1				**1**
	SCIENTIFIC PROJECTS- III	SP				1x2=2 (4 Groups)	**2**
	INTERDISCIPLINARY	MCDP				2	**2**
	TOTAL		100	6	2	4	**112**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			2x3=6 (4 Groups)		**6**
TOTAL			**100**	**6**	**8**	**4**	**118**

Coordination Committee

HEAD	Berrin Aktekin, MD, Prof.
SECRETARY	Burcu Örmeci, MD, Assoc. Prof.
MEMBER	Volkan Harput, MD, Assist. Prof.
MEMBER	Okan Taycan, MD, Assoc. Prof.
MEMBER	Emine Nur Özdamar, MD, Assist. Prof.

COMMITTEE V - NERVOUS SYSTEM and PSYCHIATRY
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
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 İzbırak, MD, Assoc. Prof. Özlem Tanrıöver, MD, Assoc. Prof.
RADIOLOGY	Başar Sarıkaya, 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, Assoc. Prof.
SCIENTIFIC PROJECTS- III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Burcu Örmeci, MD, Assoc. Prof. Naz Berfu Akbaş, MD, Assoc. Prof Oğuzhan Zahmacıoğlu, MD Assist. Prof Sara Yavuz, MD, Assist. Prof. Kübra Yıldız, MD, Assist. Prof.

COMMITTEE V - NERVOUS SYSTEM and PSYCHIATRY

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of nervous system,
2. ***to convey*** knowledge on etiopathogenesis of 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 related to nervous system and psychiatry,
3. ***to convey*** knowledge on epidemiology of 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 related to nervous system and psychiatry,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to nervous system and psychiatry,
5. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to nervous system and psychiatry,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to nervous system and psychiatry, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** necessary knowledge on drugs that are effective on nervous system or on clinical conditions related to nervous system and psychiatry ,
8. ***to convey*** necessary knowledge on professional standards, organizational ethics, and ethics of psychiatry***,***
9. ***to convey*** necessary knowledge on common problems in medical research,
10. ***to convey*** knowledge on phytotherapeutic agents,
11. ***to equip with*** basic and advanced clinical skills *(suturing and tying-C7, neuropsychiatric evaluation-C7)* required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of nervous system,
2.0. ***define*** biochemical and psychodynamical basis of behavior,
3.0. ***grade*** physical, psychosocial and cognitive development of child,
4.0. ***explain*** etiopathogenesis of clinical conditions (central and peripheral nervous system disorders, epilepsy, organic brain syndromes, CNS tumors, psychiatric disorders/diseases) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to nervous system and psychiatry,
5.0. ***explain*** epidemiology of 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 related to to nervous system and psychiatry,

6.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to nervous system and psychiatry,

7.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to nervous system and psychiatry,

8.0. at multi-system level and/or related to cardiovascular and respiratory systems system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

8.1. practice of history taking and physical examination (neurological/neuropsychiatric-C7)

8.2. evaluation of emergency case (neurological emergencies-C7)

8.3. approach to healthy individual or patient (neurological symptoms-C7, headache-C7, depression-C7, dementia-C7)

8.4. laboratory tests/examinations

8.5. imaging tests/examinations (conventional neuroradiological examinations-C7, spinal neuroradiology-C7, cranial CT-C7, cranial MRI-C7, brain perfusion scintigraphy-C7, brain PET-C7)

8.6. point of care testing

8.7. making preliminary diagnosis or definitive diagnosis decision

8.8. making non-intervention or intervention decision

8.9. practicing non-intervention or intervention

8.10. referral/transport of healthy individual or patient

9.0. ***explain*** pharmacology of drugs (parkinsonism and other movement disorders, antiepileptics, CNS stimulants and hallusinogenic drugs, sedative/hypnotic drugs, opioid analgesics and antagonists, general/local anesthetics, antipsychotic drugs, bipolar disease and lithium, antidepressant drugs, alcohols, drug dependence and abuse) that are effective on nervous system or on clinical conditions related to nervous system and psychiatry,

10.0.***describe*** professional standards, organizational ethics, and ethics in psychiatry,

11.0.***describe*** phytotherapeutic agents (“HMPs, Nutraceutics”),

12.0. ***list*** common problems in medical research,

13.0. ***perform*** basic clinical skills, practiced on phantom models (suturing and tying-C7), and advanced clinical skills, practiced on simulated/standardized patients (neuropsychiatric evaluation-C7), required at primary health care service.

COMMITTEE V - NERVOUS SYSTEM and PSYCHIATRY
COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MED 302 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE V - NERVOUS SYSTEM and PSYCHIATRY						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**DISCIPLINE**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
9.0.	PC	E. Genç	14	5	5	**24**
9.0.		E. N. Özdamar				
1.0., 4.0.-8.0.	NRS	M.G. Yaşargil	14	5	5	**24**
1.0., 4.0.-8.0.		U. Türe				
1.0., 4.0.-8.0.		V. Harput				
1.0., 4.0.-8.0.		K. Yaltırık				
1.0., 4.0.-8.0.	NR	B. Aktekin	12	4	4	**20**
1.0., 4.0.-8.0.		B. Örmeci				
1.0., 4.0.-8.0.		H. Şilek				
1.0., 4.0.-8.0.		H. R. Bilgen				
1.0., 2.0., 4.0.-8.0., 10.0.	PCH	B. Akbaş	10	4	4	**18**
1.0., 4.0., 7.0.	PT	A. Sav	9	3	3	**15**
1.0., 3.0.-8.0.	PED	M. Berber	4	1	1	**6**
	IMM	G. Y. Demirel	2	1	1	**4**
5.0., 6.0.	PH	R.E. Sezer	3	1	1	**5**
8.3.	FM	G. Izbırak	4	1	1	**6**
8.3.		Ö. Tanrıöver				
12.0.	BS	Ç. Altunok	3	1	1	**5**
2.0.	MG	A.Ç. Kuşkucu	3	1	1	**5**
2.0.-8.0., 10.0.	C-PCH	O. Zahmacıoğlu	3	1	1	**5**
1.0., 4.0.-8.0.	OPT	V. Öztürk	3	1	1	**5**
4.0., 7.0.	PP	M. Kaçar	2	1	1	**4**
4.0.-7.0, 8.4.	IDCM	M. Sönmezoğlu	2	1	1	**4**
8.5.	RAD	B. Sarıkaya	1	0	0	**1**
	EM	C. Şimşek	1	0	0	**1**
TOTAL			**90**	**31**	**31**	**152**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0., 4.0.-8.0.	NR	B. Örmeci	1	-	-	**1**
1.0., 2.0., 4.0.-8.0., 10.0.	PCH	B. Akbaş	1	-	-	**1**
9.0.	PC	E. Genç	1	-	-	**1**
1.0., 4.0.-8.0.	NRS	U. Türe	2	-	-	**2**
TOTAL			**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**

*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

Abbreviations

MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
pts: Points
****31** out of 200 FE and ICE MCQs will be from Committee V (Each question is of worth 0.5 points).

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK I / 25-29 Mar 2019

	Monday 25-Mar-2019	Tuesday 26-Mar-2019	Wednesday 27-Mar-2019	Thursday 28-Mar-2019		Friday 29-Mar-2019
09.00- 09.50	**Independent Learning**	**Lecture** Pathology of Myelin & Neuronal Storage Diseases I Pathology Lecturer	**Lecture** Peripheral Nerve Compression Sydromes Neurosurgery Lecturer	**Independent Learning**		**Lecture** Pharmacological Approach to Parkinsonism & Other Movement Disorders I E. Genç
10.00- 10.50	**Lecture** Signs and Symptoms in Neurology B. Aktekin	**Lecture** Pathology of Myelin & Neuronal Storage Diseases II Pathology Lecturer	**Lecture** Epilepsy B. Aktekin			**Lecture** Pharmacological Approach to Parkinsonism & Other Movement Disorders II E. Genç
11.00- 11.50	**Lecture** Cranial Nerves I R. Bilgen	**Lecture** Developmental Disorders of CNS Pathology Lecturer	**Lecture** Spinal Cord Compression and Spinal Tumors Neurosurgery Lecturer			**Lecture** Headache in Neurologic Patient H. Şilek
12.00- 12.50	**Lecture** Cranial Nerves II R. Bilgen	**Lecture** Introduction to Central Nervous System Pharmacology E. Genç	**Lecture** Degenerative Diseases of the Spine and the Spinal Cord Neurosurgery Lecturer			**Lecture** Neurological Emergencies R. Bilgen
12.50 – 14.00	**LUNCH BREAK**					
14.00- 14.50	**Lecture** Pathophysiology of Nervous System Diseases I M. Kaçar	**Lecture** Demyelinating Disorders I R. Bilgen	**Lecture** Cerebral Lobes and their Disorders B. Örmeci	**ELECTIVE WEEK VI**	**Independent Learning**	**Lecture** Approach to Intoxicated Patient C. Şimşek
15.00- 15.50	**Lecture** Pathophysiology of Nervous System Diseases II M. Kaçar	**Lecture** Demyelinating Disorders II R. Bilgen	**Lecture** Dementia B. Örmeci			**Independent Learning**
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Lecture** Extrapyramidal System Disorders B. Örmeci	**Independent Learning**	**ELECTIVE WEEK VI**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**			**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK II / 1-5 Apr 2019

	Monday 1-Apr-2019	Tuesday 2-Apr-2019	Wednesday 3-Apr-2019	Thursday 4-Apr-2019	Friday 5-Apr-2019
09.00- 09.50	**Lecture** Clinical Presentation, Anatomic Concepts and Diagnosis in a Neurosurgical Patient C. Kaan Yaltırık	**Lecture** Public Health and Aging I R. E. Sezer	**Neurology Clinical Training** H.Şilek	**Neurology Clinical Training** R. Bilgen	**Lecture** Peripheral Nerve Disorders H. Şilek
10.00- 10.50	**Lecture** Pediatric Neurosurgery C. Kaan Yaltırık	**Lecture** Public Health and Aging II R. E. Sezer	**Group A** / **Group B** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C** / **Group D**	**Lecture** Cerebrovascular Disease H. Şilek
11.00- 11.50	**Lecture** Hydrocephalus C. Kaan Yaltırık	**Lecture** Paralytic Strabismus and Nistagmus V. Öztürk			**Lecture** Cranial Trauma & İntracranial Hemorrhage I A. Sav
12.00- 12.50	**Lecture** Neurosurgical Infections C. Kaan Yaltırık	**Lecture** Conventional Neuroradiological Examinations B. Sarıkaya			**Lecture** Cranial Trauma & İntracranial Hemorrhage II A. Sav
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Neurodegenerative Disorders I A. Sav	**Lecture** Surgical Neuroanatomy U. Türe	**Lecture** Neuroimmunological Disorders G. Yanıkkaya Demirel	**ELECTIVE WEEK VII (Midterm Exam)** / **Independent Learning**	**Lecture** Infectious Disease of the Nervous System M. Berber
15.00- 15.50	**Lecture** Neurodegenerative Disorders II A. Sav	**Lecture** Cerebrovascular Diseases in Neurosurgery I U. Türe	**Lecture** Neuroimmunological Disorders G. Yanıkkaya Demirel		**Lecture** Neurodegenerative Disorders M. Berber
16.00- 16.50	**Independent Learning**	**Lecture** Cerebrovascular Diseases in Neurosurgery II U. Türe	**Independent Learning**	**Independent Learning** / **ELECTIVE WEEK VII (Midterm exam)**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		**Independent Learning**

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK III / 8-12 Apr 2019

	Monday 8-Apr-2019	Tuesday 9-Apr-2019	Wednesday 10-Apr-2019	Thursday 11-Apr-2019	Friday 12-Apr-2019
09.00- 09.50	**Lecture** Tumors of CNS I A. Sav	**Lecture** Antiepileptics E. Genç	**Neurosurgery Clinical Training** V. Harput	**Pathology Laboratory** (Nervous System) A.Sav / F. Özkan — **Group A IL** / **Group B**	**Neurosurgery Clinical Training** C. Kaan Yaltırık
10.00- 10.50	**Lecture** Tumors of CNS II A. Sav	**Lecture** Functional Neurosurgery V. Harput	**Group A** / **Group B** / **Group C IL** / **Group D IL**		**Group A IL** / **Group B IL** / **Group C** / **Group D**
11.00- 11.50	**Lecture** Intracranial Tumors II M. Gazi Yaşargil	**Lecture** Spinal Trauma in Neurosurgery V. Harput	**Lecture** Genetic Etiology of Mental Retardation I A. Ç. Kuşkucu	**Group A** / **Group B IL**	**Independent Learning**
12.00- 12.50	**Lecture** Intracranial Tumors I M. Gazi Yaşargil	**Lecture** Cranial Trauma in Neurosurgery V. Harput	**Lecture** Genetic Etiology of Mental Retardation II A. Ç. Kuşkucu		**Independent Learning**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Bipolar Disease & Lithium Pharmacology Lecturer	**Lecture** Culture, Health and Illness R. E. Sezer	**Lecture** Diseases of Optic Nerves and Visual Fields V. Öztürk	**ELECTIVE WEEK VIII** / **Independent Learning**	**Lecture** Cerebral Malformations M. Berber
15.00- 15.50	**Lecture** Antipsychotic Drugs Pharmacology Lecturer	**Lecture** Behavioral Determinants of Health and Disease R. E. Sezer	**Lecture** Pupilla V. Öztürk		**Lecture** Mental and Motor Development M. Berber
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning** / **ELECTIVE WEEK VIII**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		**Independent Learning**

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK IV / 15-19 Apr 2019

	Monday 15-Apr-2019	Tuesday 16-Apr-2019	Wednesday 17-Apr-2019	Thursday 18-Apr-2019	Friday 19-Apr-2019
09.00- 09.50	**Lecture** Opioid Analgesics & Antagonists I E. Genç	**Lecture** Introduction to Psychiatry O. Taycan	**ICP-CSL** (General physical examination) S. Yavuz / K. Yıldız	**ICP-CSL** (Neurological examination & Psychiatric examination) N. B. Akbaş/ O. Zahmacıoğlu/ H. Şilek	**Lecture** Analysis of Survival Studies I Ç. Altunok
10.00- 10.50	**Lecture** Opioid Analgesics & Antagonists II E. Genç	**Lecture** Psychiatric Interview, History O. Taycan	**Group A ICP** / **Group B IL** / **Group C IL** / **Group D IL**	**Group A Small Group Study** Scientific Project / **Group B ICP** / **Group C IL** / **Group D IL**	**Lecture** Analysis of Survival Studies II Ç. Altunok
11.00- 11.50	**Lecture** Psychiatric Epidemiology and Classification N.B. Akbaş	**Lecture** Acute and Chronic Meningitis, Encephalitis I M. Sönmezoğlu			**Lecture** Local Anesthetics E. Genç
12.00- 12.50	**Lecture** Antimigraine Drugs Pharmacology Lecturer	**Lecture** Acute and Chronic Meningitis, Encephalitis II M. Sönmezoğlu	**Independent Learning**	**Independent Learning**	**Lecture** General Anesthetics E. Genç
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Infectious Diseases of CNS I A. Sav	**Lecture** Design of Survival Studies Ç. Altunok	**ICP-CSL** (Neurological examination & Psychiatric examination) N. B. Akbaş/ O. Zahmacıoğlu/ R. Bilgen	**Independent Learning** / **ELECTIVE WEEK IX**	**ICP-CSL** (General physical examination) S. Yavuz / K. Yıldız
15.00- 15.50	**Lecture** Infectious Diseases of CNS II A. Sav	**Lecture** General Physical Exam G. İzbırak	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C IL** / **Group D IL**		**Group A IL** / **Group B ICP** / **Group C IL** / **Group D IL**
16.00- 16.50	**Independent Learning**	**Independent Learning**		**ELECTIVE WEEK IX** / **Independent Learning**	
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		**Independent Learning**

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK V / 22-26 Apr 2019

<table>
<tr><th></th><th>Monday
22-Apr-2019</th><th>Tuesday
23-Apr-2019</th><th colspan="4">Wednesday
24-Apr-2019</th><th colspan="2">Thursday
25-Apr-2019</th><th>Friday
26-Apr-2019</th></tr>
<tr><td>09.00- 09.50</td><td>Lecture
Schizophrenia Spectrum and Other Psychotic Disorders I
O. Taycan</td><td rowspan="4">NATIONAL HOLIDAY</td><td colspan="4">ICP-CSL
(Neurological examination & Psychiatric examination)
N.B. Akbaş / O. Zahmacıoğlu/ R. Bilgen</td><td colspan="2" rowspan="4">Independent Learning</td><td>Lecture
Neuroscience I
N.B. Akbaş</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture
Schizophrenia Spectrum and Other Psychotic Disorders II
O. Taycan</td><td rowspan="3">Group A IL</td><td rowspan="3">Group B IL</td><td rowspan="3">Group D
Small Group Study
Scientific Project</td><td rowspan="3">Group C
ICP</td><td>Lecture
Neuroscience II
N.B. Akbaş</td></tr>
<tr><td>11.00- 11.50</td><td>Lecture
Drug Dependence & Abuse
E. Genç</td><td>Lecture
Developmental Psychopathology:
Risk and Protective Factors in Mental Development
O. Taycan</td></tr>
<tr><td>12.00- 12.50</td><td>Lecture
The Alcohols
E. Genç</td><td>Lecture
Signs and Symptoms in Psychiatry
O. Taycan</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="9">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td>Lecture
Genetic Aspects of Psychiatric Disorders
A. Ç. Kuşkucu</td><td rowspan="4">NATIONAL HOLIDAY</td><td colspan="4">ICP-CSL
(General physical examination)
S. Yavuz / K. Yıldız</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK X</td><td>Lecture
Antidepressant Drugs
Pharmacology Lecturer</td></tr>
<tr><td>15.00- 15.50</td><td>Independent Learning</td><td rowspan="3">Group A IL</td><td rowspan="3">Group B IL</td><td rowspan="3">Group D IL</td><td rowspan="3">Group C ICP</td><td>Lecture
Approach to Smoking Patient in Primary Care
Ö. Tanrıöver</td></tr>
<tr><td>16.00- 16.50</td><td>Independent Learning</td><td rowspan="2">ELECTIVE WEEK X</td><td rowspan="2">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td>Independent Learning</td><td colspan="4">Independent Learning</td><td>Independent Learning</td></tr>
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COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK VI / 29 Apr – 3 May 2019

	Monday 29-Apr-2019	Tuesday 30-Apr-2019	Wednesday 1-May-2019	Thursday 2-May-2019	Friday 3-May-2019
09.00- 09.50	**Lecture** Depression in Primary Care G. İzbırak	**ICP-CSL** (Neurological examination & Psychiatric examination) N.B. Akbaş / O. Zahmacıoğlu/ H. Şilek	**LABOUR'S DAY**	**Independent Learning** ***SPRING FEST***	**Lecture** Introduction to Child and Adolescent Psychiatry O. Zahmacıoğlu
10.00- 10.50	**Lecture** Approach to the Patient with Dementia in Primary Care G. İzbırak	**Group A IL** / **Group B IL** / **Group D ICP** / **Group C Small Group Study** Scientific Project			**Lecture** Common Childhood Psychiatric Problems O. Zahmacıoğlu
11.00- 11.50	**Lecture** Sedative / Hypnotic Drugs I E. Genç				**Lecture** Mental Development in Childhood and Adolescence O. Zahmacıoğlu
12.00- 12.50	**Lecture** Sedative / Hypnotic Drugs II E. Genç				**Lecture** CNS stimulants and Hallusinogenic Drugs E. Genç
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Mood Disorders I B. Akbaş	**ICP-CSL** (General physical examination) S. Yavuz / K. Yıldız	**LABOUR'S DAY**	**ELECTIVE WEEK XI** / **Independent Learning**	**Multidisciplinary Case Discussion Panel**
15.00- 15.50	**Lecture** Mood Disorders II B. Akbaş	**Group A IL** / **Group B IL** / **Group D ICP** / **Group C IL**			**Multidisciplinary Case Discussion Panel**
16.00- 16.50	**Lecture** Anxiety Disorders: An Introduction B. Akbaş			**Independent Learning** / **ELECTIVE WEEK XI**	**Independent Learning** ***SPRING FEST***
17.00-17.50	**Independent Learning** ***SPRING FEST***	**Independent Learning** ***SPRING FEST***			**Independent Learning** ***SPRING FEST***

COMMITTEE V - NERVOUS SYSTEM AND PYSCHIATRY
WEEK VII / 6-10 May 2019

<table>
<tr><th></th><th>Monday
6-May-2019</th><th>Tuesday
7-May-2019</th><th>Wednesday
8-May-2019</th><th colspan="2">Thursday
9-May-2019</th><th>Friday
10-May-2019</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td colspan="2" rowspan="3">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td><td rowspan="2">Independent Learning</td><td rowspan="2">Independent Learning</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK XII</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="2">Program Evaluation Session
Committee V
Coordination Committee
Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK XII</td></tr>
<tr><td>17.00-17.50</td></tr>
</table>

COMMITTEE VI - MUSCULOSKELETAL SYSTEM

DISTRIBUTION of LECTURE HOURS

May 13, 2019 – June 12, 2019

COMMITTEE DURATION: 5 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	ORTHOPAEDICS & TRAUMATOLOGY	ORT	22				**22**
	PATHOLOGY	PT	13		1x2=2 (4 Groups)		**15**
	RHEUMATOLOGY	RHE	9				**9**
	PHARMACOLOGY	PC	5				**5**
	PHYSICAL MEDICINE AND REHABILITATION	PTR	4				**4**
	PUBLIC HEALTH	PH	4				**4**
	BIOSTATISTICS	BS	3				**3**
	PATHOPHYSIOLOGY	PP	2				**2**
	IMMUNOLOGY	IMM	2				**2**
	MEDICAL GENETICS	MG	2				**2**
	EMERGENCY MEDICINE	EM	2				**2**
	FAMILY MEDICINE	FM	1				**1**
	RADIOLOGY	RAD	1				**1**
	SCIENTIFIC PROJECTS-III	SP				1x2=2 (4 Groups)	**2**
	INTERDISCIPLINARY	MCDP				2	**2**
	TOTAL		70		2	4	**76**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1x3=3 (4 Groups)		**3**
TOTAL			**70**		**5**	**4**	**79**

Coordination Committee

HEAD	Uğur Şaylı, MD, Prof.
SECRETARY	Müge Bıçakçıgil Kalaycı, MD, Assoc. Prof
MEMBER	Gökhan Meriç, MD, Assoc Prof.
MEMBER	Özgür Ortancıl, MD, Assoc Prof.
MEMBER	Emine Nur Özdamar, MD, Assist. Prof.

COMMITTEE VI - MUSCULOSKELETAL SYSTEM

LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**FACULTY**
ORTHOPAEDICS & TRAUMATOLOGY	Faik Altıntaş, MD, Prof. Uğur Şaylı, MD, Prof. Turhan Özler, MD, Assoc. Prof. Gökhan Meriç, MD, Assoc. Prof. Onur Kocadal, MD.
PHYSICAL MEDICINE AND REHABILITATION	Özgür Ortancıl, MD, Assoc. Prof.
RHEUMATOLOGY	Müge Bıçakçıgil 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 Taşyıkan, MD, Assist. Prof
FAMILY MEDICINE	Özlem Tanrıöver, MD, Assoc. 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.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Turhan Özler, MD, Assoc. Prof. Gökhan Meriç, MD, Assoc Prof. Onur Kocadal, MD.

COMMITTEE VI - MUSCULOSKELETAL SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of musculoskeletal system,
2. ***to convey*** knowledge on etiopathogenesis of 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 related to musculoskeletal system,
3. ***to convey*** knowledge on epidemiology of 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 related to musculoskeletal system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to musculoskeletal system,
5. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to musculoskeletal system,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to musculoskeletal system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** necessary knowledge on pharmacology of drugs that are effective on musculoskeletal system or on clinical conditions related to musculoskeletal system,
8. ***to convey*** necessary knowledge on ethics in biomedical research,
9. ***to convey*** necessary knowledge on clinical research methods and searching medical literature,
10. ***to convey*** necessary knowledge on phytotherapeutic agents,
11. ***to equip with*** basic and advanced clinical skills (peripheral venous catheter insertion-C8, physical examination of musculoskeletal system-C8) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of musculoskeletal system,

2.0. ***explain*** etiopathogenesis of clinical conditions (congenital, traumatic, metabolic, degenerative, onocological conditions of bone, rheumotological disorders, disaeses/disorders of connective tissue, vascular diseases, pathological posture, pain) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,

3.0. ***explain*** epidemiology of 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 related to musculoskeletal system,

4.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to musculoskeletal system,

5.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in 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 related to musculoskeletal system,

6.0. at multi-system level and/or related to cardiovascular and respiratory systems system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- 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,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

6.1. practice of history taking and physical examination (musculoskeletal-C8)
6.2. evaluation of emergency case (trauma-C8)
6.3. approach to healthy individual or patient (musculoskeletal dysfunction-C8)
6.4. laboratory tests/examinations (monitarization of drug therapy-C8)
6.5. imaging tests/examinations (radiological imaging of musculoskeletal system-C8, radiological examinations in benign ve malign tumors of bones-C8, bone scintigraphy-C8)
6.6. point of care testing
6.7. making preliminary diagnosis or definitive diagnosis decision
6.8. making non-intervention or intervention decision
6.9. practicing non-intervention or intervention
6.10. referral/transport of healthy individual or patient

7.0. ***explain*** pharmacology of drugs (non-opioid analgesics, skeletal muscle relaxants, disease modifying antirheumatic drugs) that are effective on musculoskeletal system or on clinical conditions related to musculoskeletal system,

8.0. ***explain*** effects of phytotherapeutic agents on musculoskeletal system or on clinical conditions related to musculoskeletal system,

9.0. ***list*** ethical principles in biomedical research,

10.0.***explain*** use of biostatistics in clinical research and for evidence search in medical literature,

11.0. ***perform*** basic clinical skills, practiced on phantom models (peripheral venous catheter insertion-C8), and advanced clinical skills, practiced on simulated/standardized patients (physical examination of musculoskeletal system-C8), required at primary health care service.

COMMITTEE VI - MUSCULOSKELETAL SYSTEM

COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MED 302 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE VI - MUSCULOSKELETAL SYSTEM						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**DISCIPLINE**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
1.0.-6.0.	ORT	F. Altıntaş	27	7	7	**41**
1.0.-6.0.		U. Şaylı				
1.0.-6.0.		T. Özler				
1.0.-6.0.		G. Meriç				
1.0.-6.0.		O. Kocadal				
1.0., 2.0., 5.0.	PT	F. Özkan	17	4	4	**25**
		A. Sav				
1.0.-6.0.	RHE	M. Bıçakçıgil Kalaycı	12	3	3	**18**
7.0.	PC	E. Genç	6	2	2	**10**
7.0.		E. N. Özdamar				
3.0., 4.0.	PH	R.E. Sezer	5	1	1	**7**
3.0., 4.0.		H.A.Taşyıkan				
1.0.-6.0.	PTR	Ö. Ortancıl	5	1	1	**7**
	IMM	G. Y. Demirel	3	1	1	**5**
10.0.	BS	Ç. Altunok	4	1	1	**6**
1.0., 2.0., 5.0.	PP	M. Kaçar	3	1	1	**5**
2.0.	MG	A.Ç. Kuşkucu	3	0	0	**3**
6.3.	FM	Ö. Tanrıöver	1	0	0	**1**
6.2.	EM	S. Sarıkaya	3	1	1	**5**
6.2.		P. Tura				
6.5.	RAD	N. Taşdelen	1	0	0	**1**
		TOTAL	**90**	**22**	**22**	**134**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER /INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0.-6.0.	RHE	M. Bıçakçıgil Kalaycı	1	-	-	1
1.0.-6.0.	ORT	U. Şaylı	2	-	-	2
1.0.-6.0.	PTR	Ö. Ortancıl	2			2
		TOTAL	**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**

*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

Abbreviations

MCQ: Multiple Choice Question

EMQ: Extending Matching Question

CE: Committee Exam

CS: Committee Score

FE: Final Exam

ICE: Incomplete Exam

pts: Points

****21** out of 200 FE and ICE MCQs will be from Committee VI (Each question is of worth **0.5** pts).

COMMITTEE VI - MUSCULOSKELETAL SYSTEM
WEEK I / 13-17 May 2019

	Monday 13-May-2019	Tuesday 14-May-2019	Wednesday 15-May-2019	Thursday 16-May-2019	Friday 17-May-2019
09.00- 09.50	**Lecture** Introduction to Musculoskeletal System F. Altıntaş	**Lecture** Degenerative Joint Disease F. Özkan	**Lecture** Osteoporosis and Osteoarthritis Treatment, Rehabilitation Ö. Ortancıl	**ICP-CSL** (Physical examination of the musculoskeletal system) G. Meriç / O. Kocadal	**Lecture** Public Health and Physical Activity I R. E. Sezer
10.00- 10.50	**Lecture** Degenerative Osteoarthrosis F. Altıntaş	**Lecture** Tumors of Soft Tissues I F. Özkan	**Lecture** Soft Tissue Pain Ö. Ortancıl	**Group A ICP** / **Group B Small Group Study** Scientific Project / **Group C IL** / **Group D IL**	**Lecture** Public Health and Physical Activity II R. E. Sezer
11.00- 11.50	**Lecture** Pathophysiology of Musculoskeletal System Disorders I M. Kaçar	**Lecture** Tumors of Soft Tissues II F. Özkan	**Lecture** Bone and Joint İnfections Pathology Lecturer		**Lecture** Vasculitis I F. Özkan
12.00- 12.50	**Lecture** Pathophysiology of Musculoskeletal System Disorders II M. Kaçar	**Lecture** Frostbite / Burns P. Tura	**Lecture** Myopathies Pathology Lecturer	**Independent learning**	**Lecture** Vasculitis II F. Özkan
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Congenital & Metabolic Diseases of Bone I Pathology Lecturer	**Lecture** Spondylarthropaties M. Bıçakçıgil Kalaycı	**Lecture** Osteomyelitis and Septic Artritis O. Kocadal	**ELECTIVE WEEK XIII** / **Independent Learning**	**Lecture** Initial Approach to Trauma Patient S. Sarıkaya
15.00- 15.50	**Lecture** Congenital & Metabolic Diseases of Bone II Pathology Lecturer	**Lecture** Inflammatory Polyarthritis & Rheumatoid Arthritis M. Bıçakçıgil Kalaycı	**Lecture** Neuromuscular Disease O. Kocadal		**Independent Learning**
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning** / **ELECTIVE WEEK XIII**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**		**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE VI - MUSCULOSKELETAL SYSTEM
WEEK II / 20-24 May 2019

	Monday 20-May-2019	Tuesday 21-May-2019	Wednesday 22-May-2019	Thursday 23-May-2019	Friday 24-May-2019
09.00- 09.50	**Lecture** Imaging of Musculoskeletal System N. Taşdelen	**Lecture** Connective Tissue Disorders I M. Bıçakçıgil Kalaycı	**Lecture** Foot Deformities U. Şaylı	**ICP-CSL** (Physical examination of the musculoskeletal system) G. Meriç / O. Kocadal	**Lecture** Lower Extremity Trauma G. Meriç
10.00- 10.50	**Lecture** Miscellanous Rheumatological Disorders I M. Bıçakçıgil Kalaycı	**Lecture** Connective Tissue Disorders II M. Bıçakçıgil Kalaycı	**Lecture** Principles of Fracture Healing U. Şaylı	**Group A** Small Group Study Scientific Project / **Group B** ICP / **Group C** IL / **Group D** IL	**Lecture** Traumatic Dislocations G. Meriç
11.00- 11.50	**Lecture** Miscellanous Rheumatological Disorders II M. Bıçakçıgil Kalaycı	**Lecture** Management of the Trauma Patient T. Özler	**Lecture** Sport Injuries of Lower Extremity U. Şaylı		**Lecture** Spinal Trauma G. Meriç
12.00- 12.50	**Lecture** Miscellanous Rheumatological Disorders III M. Bıçakçıgil Kalaycı	**Lecture** Upper Extremity Trauma T. Özler	**Lecture** Sport Injuries of Upper Extremity U. Şaylı	**Independent Learning**	**Lecture** Skeletal Dysplasias A. Ç. Kuşkucu
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Neck, Shoulder and Wrist Pain Ö. Ortancıl	**Lecture** Fractures of Children O. Kocadal	**ICP-CSL** (Physical examination of the musculoskeletal system) G. Meriç / O. Kocadal	**ELECTIVE WEEK XIV** / **Independent Learning**	**ICP-CSL** (Physical examination of the musculoskeletal system) G. Meriç / O. Kocadal
15.00- 15.50	**Lecture** Low Back, Hip and Ankle Pain Ö. Ortancıl	**Lecture** Development Dysplasia of the Hip O. Kocadal	**Group A IL** / **Group B IL** / **Group C** Small Group Study Scientific Project / **Group D ICP**		**Group A IL** / **Group B IL** / **Group C ICP** / **Group D** Small Group Study Scientific Project
16.00- 16.50	**Lecture** Epidemiology, Prevention and Control of Occupational Diseases and Injuries I H.A. Taşyıkan	**Lecture** Developmental Disorders of the Skeleton O. Kocadal		**Independent Learning** / **ELECTIVE WEEK XIV**	
17.00-17.50	**Lecture** Epidemiology, Prevention and Control of Occupational Diseases and Injuries II H.A. Taşyıkan	**Independent Learning**	**Independent Learning**		**Independent Learning**

COMMITTEE VI - MUSCULOSKELETAL SYSTEM
WEEK III / 27-31 May 2019

	Monday 27-May-2019	Tuesday 28-May-2019	Wednesday 29-May-2019	Thursday 30-May-2019	Friday 31-May-2019
09.00- 09.50	**Independent Learning**	**Lecture** Disease Modifying Antirheumatic Drugs Pharmacology Lecturer	**Lecture** Osteoporosis G. Meriç	**Independent Learning**	**Lecture** Immune Mechanisms of Musculoskeletal Disorders G. Yanıkkaya Demirel
10.00- 10.50	**Independent Learning**	**Lecture** Pharmacology Case Studies Pharmacology Lecturer	**Lecture** Microsurgery and Replantation G. Meriç		**Lecture** Immune Mechanisms of Musculoskeletal Disorders G. Yanıkkaya Demirel
11.00- 11.50	**Elective Course Final Exam**	**Lecture** Skeletal Muscle Relaxants E. Genç	**Lecture** Some Common Problems in Medical Research Ç. Altunok		**Multidisciplinary Case Discussion Panel**
12.00- 12.50	**Elective Course Final Exam**	**Lecture** Approach to the Patient with Backpain in Primary Care Ö. Tanrıöver	**Lecture** Power Analysis and Sample Size Calculation I Ç. Altunok		**Multidisciplinary Case Discussion Panel**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Nonsteroidal Antiinflammatory Drugs I E. Genç	**Lecture** Bone Tumors I Pathology Lecturer	**Lecture** Autopsy I A. Sav	**Lecture** Vasculitis I M. Bıçakçıgil Kalaycı	**Independent Learning**
15.00- 15.50	**Lecture** Nonsteroidal Antiinflammatory Drugs II E. Genç	**Lecture** Bone Tumors II Pathology Lecturer	**Lecture** Autopsy II A. Sav	**Lecture** Vasculitis II M. Bıçakçıgil Kalaycı	
16.00- 16.50	**Lecture** Benign Tumors of Bone O. Kocadal	**Pathology Laboratory** (Musculoskeletal System) A.Sav / F. Özkan Group A Group B IL	**Lecture** Upper Extremity Disorders T. Özler	**Lecture** Power Analysis and Sample Size Calculation II Ç. Altunok	
17.00-17.50	**Lecture** Malignant Tumors of Bone O. Kocadal	Group A IL Group B	**Lecture** Lower Extremity Disorders T. Özler	**Lecture** Muscular Dystrophies A. Ç.Kuşkucu	

COMMITTEE VI - MUSCULOSKELETAL SYSTEM
WEEK IV / 3-7 June 2019

	Monday 3-Jun-2019	Tuesday 4-Jun-2019	Wednesday 5-Jun-2019	Thursday 6-Jun-2019	Friday 7-Jun-2019
09.00- 09.50	Independent Learning	Independent Learning	RELIGIOUS HOLIDAY	RELIGIOUS HOLIDAY	RELIGIOUS HOLIDAY
10.00- 10.50					
11.00- 11.50					
12.00- 12.50					
12.50 – 14.00	LUNCH BREAK				
14.00- 14.50	Independent Learning	RELIGIOUS HOLIDAY	RELIGIOUS HOLIDAY	RELIGIOUS HOLIDAY	RELIGIOUS HOLIDAY
15.00- 15.50					
16.00- 16.50					
17.00-17.50					

COMMITTEE VI - MUSCULOSKELETAL SYSTEM
WEEK V / 10-14 June 2019

<table>
<tr><th></th><th>Monday
10-Jun-2019</th><th>Tuesday
11-Jun-2019</th><th>Wednesday
12-Jun-2019</th><th>Thursday
13-Jun-2019</th><th>Friday
14-Jun-2019</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Independent Learning</td><td rowspan="4">OSCE FINAL EXAM</td><td rowspan="4">OSCE FINAL EXAM</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="2">Program Evaluation Session
Committee VI
Coordination Committee
Members</td><td rowspan="4">OSCE FINAL EXAM</td><td rowspan="4">OSCE FINAL EXAM</td></tr>
<tr><td>15.00- 15.50</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td></tr>
</table>

STUDENT COUNSELING

Student counseling is a structured development process established between the student and the consultant that aims to maximize student success by focusing the student to her/his target. Although the major component of this relationship is the student, the faculties also take part by bringing the requirements of this interaction to their systems. The targeted outcomes of the consultant-student interaction are success in the exams, success in the program, and preparation for the professional life.
The aim of counseling is to help students to solve their problems, to give professional guidance, to provide coaching, to contribute to adopting the habit of lifelong learning, to provide information about the University and Faculty, to follow their success and failure and to help them select courses.
The consultants selected among Basic Medical Sciences instructors for the first three years transfer the students to Clinical Sciences instructors for the following three years.

The topics that will be addressed by the consultants are as follows:

a. Inform students about the university, faculty and surrounding facilities
b. Inform students about the courses and help them select courses
c. Inform students about the education and assessment regulations
d. Follow students attendance to lectures and success
e. In case of failure, investigate the causes and cooperate with the students to overcome them
f. Help students in career planning
g. Contribute to students adapting the habit of lifelong learning
h. Guide students to counseling services of the university
i. Set a role model as long as the professional susceptibility, professional guidance, intellectual responsibility, interaction with peers, ethics, professional values are concerned
j. Contribute to cultivation of professional and intellectual development in a rapidly changing world
k. Inform the coordinator when there are unsolved problems of the students

Consultant-student relationship is a dynamic and mutual process carried out within the campus and the hospital. It is recommended that the consultant and the student meet at least twice during a semester.

The expectations from the student are as follows:

a) Contribute to improvement of satisfaction level in the problem areas
b) Report the social and economic conditions that require consultant's help
c) Specify expectations from the education and the department from which this training is taken
d) Give feedback on the counseling services regarding their satisfaction level

Student counsellors will be appointed after finalization of the class list and will be announced to the students.
After the announcement of the counsellors on the information board, each student is expected to contact his/her counsellor until the end of the current committee.

LIST OF STUDENT COUNSELING - PHASE III

	NO	NAME	SURNAME	COUNSELOR
1	20160800016	BEYZA NUR	AKIN	PROF.İNCİ ÖZDEN
2	20160800024	CEREN	AKINCI	PROF.İNCİ ÖZDEN
3	20160800002	DİLARA	AKKAD	PROF.İNCİ ÖZDEN
4	20160800114	EMİNE MELTEM	AKSU	PROF. TURGAY İSBİR
5	20160800095	MAHMOUD	ALHOSARY	PROF.İNCİ ÖZDEN
6	20150800069	FATİH BURAK	ALTINTAŞ	PROF. ECE GENÇ
7	20160800042	DOĞAÇ	ALTIPARMAK	PROF. ECE GENÇ
8	20160800057	EFE	ARAS	DOÇ. DR. MEHTAP KAÇAR
9	20150800024	EBRU	ARIDURU	PROF. ECE GENÇ
10	20160800076	SELİN	AYDIN	PROF. TURGAY İSBİR
11	20140800097	MOHAMAD IBRAHIM	BADENJKİ	PROF. TURGAY İSBİR
12	20160800020	FEYHAN	BALCI	PROF. TURGAY İSBİR
13	20160800026	ÇİĞDEM	BAYRAM	PROF. RECEP EROL SEZER
14	20160800035	İPEK NAZ	BELEVİ	DR. ÖĞR. ÜYESİ ARZU AKALIN
15	20180800025	MELİH	CANBAKAN	DOÇ. DR. ÇAĞATAY ACUNER
16	20160800079	AYŞE ZEYNEP	CEVHER	DR. ÖĞR. ÜYESİ ARZU AKALIN
17	20150800019	SERKAN	CİVELEK	DR. ÖĞR. ÜYESİ ARZU AKALIN
18	20160800005	SABRİ ARTUN	ÇABUK	DR. ÖĞR. ÜYESİ ARZU AKALIN
19	20160800018	ÇAĞDAŞ	ÇAĞIN	PROF. DR. RECEP EROL SEZER
20	20160800087	GÜLDEN	ÇAĞLAR	DOÇ. DR. MEHTAP KAÇAR
21	20160800080	CANSU	ÇAKIR	DOÇ. DR. MEHTAP KAÇAR
22	20150800093	ÇAĞATAY	ÇALIK	PROF. Dr. ECE GENÇ
23	20160800088	ECE	ÇALIŞAN	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
24	20150800057	SERA	ÇELİK	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
25	20180800031	OSMAN SIRRI	ÇELİK	DOÇ. DR. MEHTAP KAÇAR
26	20150800008	ALİ FETİH	ÇETİN	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
27	20160800030	ADARA	ÇÖLLÜ	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
28	20170800111	MUHAMMED BURAK	DEMİRHAN	DOÇ. DR. MEHTAP KAÇAR
29	20150800004	BEYZA	DOĞRU	DOÇ. DR. ÖZLEM TANRIÖVER
30	20150800081	ATAKAN	DÖNMEZ	DOÇ. DR. ÖZLEM TANRIÖVER
31	20160800033	EMİN EGECAN	DURMUŞ	DOÇ. DR. ÖZLEM TANRIÖVER
32	20160800019	BURAK TUNAHAN	EKİNCİKLİ	DOÇ. DR. ÖZLEM TANRIÖVER
33	20160800029	BELİZ ÖYKÜ	ERDEM	DOÇ. DR. ÖZLEM TANRIÖVER
34	20160800107	ALI ISMAEL	GAJBOUNA	DOÇ. DR. ÇAĞATAY ACUNER
35	20150800085	KARDELEN	GELEŞ	DOÇ. DR. ÇAĞATAY ACUNER
36	20150800072	MAHBUP	GÖKGÖZ	DOÇ. DR. ÇAĞATAY ACUNER
37	20160800023	MİCAN	GÖVERCİN	DOÇ. DR. SONER DOĞAN
38	20150800005	GİZEM	GÜNER	DOÇ. DR. SONER DOĞAN
39	20150800036	ŞAHESTE ÖZEN	GÜNEŞ	DOÇ. DR. SONER DOĞAN
40	20140800059	AYDAN	GÜR	DOÇ. DR. SONER DOĞAN
41	20160800013	YAĞMUR	GÜVEN	DOÇ. DR. SONER DOĞAN
42	20160800111	BERNA	HADDAD	DOÇ. DR. SONER DOĞAN
43	20160800011	İREM	HASDEMİR	DR. ÖĞR. ÜYESİ ARZU AKALIN
44	20160800027	SİNAN	HİÇDÖNMEZ	PROF. RECEP EROL SEZER
45	20160800069	CEYHUN	IRMAK	DOÇ. DR. AYLİN YABA UÇAR
46	20150800010	ALKIM MELİKE	KARABÜK	DR. ÖĞR. ÜYESİ ÇİĞDEM ALTUNOK
47	20160800006	BERAN	KARAKOCA	DR. ÖĞR. ÜYESİ ÇİĞDEM ALTUNOK
48	20180800129	ALİ MERT	KARAORMAN	DOÇ. DR. AYLİN YABA UÇAR
49	20160800113	BETÜL	KARS	DOÇ. DR. AYLİN YABA UÇAR
50	20130800054	BENGİSU	KESKİN	DR. ÖĞR. ÜYESİ HALE ARIK TAŞYIKAN
51	20150800035	ŞEYMA	KIRGIL	DR. ÖĞR. ÜYESİ HALE ARIK TAŞYIKAN
52	20150800021	İREM	KIYIPINAR	DR. ÖĞR. ÜYESİ ALEV CUMBUL
53	20150800039	DAMLA SELİN	KOCABIÇAK	DOÇ. DR. DENİZ KIRAÇ
54	2016080110	MERAL AYBÜKE	KOÇ	DR. ÖĞR. ÜYESİ ALEV CUMBUL
55	20160800017	DOĞUKAN	KOÇAK	DR. ÖĞR. ÜYESİ ALEV CUMBUL
56	20160800034	ALİ EGEMEN	KÖROĞLU	DR. ÖĞR. ÜYESİ ALEV CUMBUL

57	20160800059	ENGİN BATUHAN	MENKÜER	DOÇ. DR. DENİZ KIRAÇ
58	20150800009	BÜŞRA	MOĞUL	DOÇ. DR. DENİZ KIRAÇ
59	20150800094	ISRAA	MOHAMMED OMER MUSA	PROF. DR. İNCİ ÖZDEN
60	20150800037	NECLA SİMAY	OKAY	DOÇ. DR. AYLİN YABA UÇAR
61	20150800068	EFE	ONAÇ	DOÇ. DR. AYLİN YABA UÇAR
62	20150800050	BUĞRA	ONDUR	DOÇ. DR. AYLİN YABA UÇAR
63	20180800011	SİMGE	ORAL	DOÇ. DR. DENİZ KIRAÇ
64	20160800032	UTKU KAAN	ÖNEN	DR. ÖĞR. ÜYESİ BİLGE GÜVENÇ TUNA
65	20150800017	ATAKAN	ÖZBEK	DR. ÖĞR. ÜYESİ BİLGE GÜVENÇ TUNA
66	20160800044	ZEYNEP	ÖZEL	DR. ÖĞR. ÜYESİ BİLGE GÜVENÇ TUNA
67	20150800062	NADİRE ÖZGE	ÖZEN	DR. ÖĞR. ÜYESİ SERDAR ÖZDEMİR
68	20150800056	HARUN	ÖZKAYA	DR. ÖĞR. ÜYESİ SERDAR ÖZDEMİR
69	20170800106	NİL	ÖZKUR	DR. ÖĞR. ÜYESİ ARZU AKALIN
70	20160800101	NEŞE	ÖZTÜRK	DR. ÖĞR. ÜYESİ SERDAR ÖZDEMİR
71	20150800060	ÇAĞATAY	PULLU	DR. ÖĞR. ÜYESİ SERDAR ÖZDEMİR
72	20160800096	NOUR	RMEID	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
73	20160800031	BEGÜM	SARGUT	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
74	20160800100	ENES	SELKİ	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
75	20150800061	YAĞMUR	SOLAK	DOÇ. DR. ÇAĞATAY ACUNER
76	20150800074	IŞIN SEDA	ŞAHİN	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
77	20160800053	SENİHA DENİZ	ŞAHİN	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
78	20160800082	BUKET SELEN	ŞAHİN	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
79	20150800054	BERNA	ŞAHİN	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
80	20150800012	GÖKÇE	ŞAMLI	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
81	20160800064	İNCİ SU	TAŞCAN	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
82	20160800028	AYŞIN	TOZŞEKERLİ	DR. ÖĞR. ÜYESİ ERDEM SÖZTUTAR
83	20150800063	HATİCE KÜBRA	UÇAR	DOÇ. DR. BURCU GEMİCİ
84	20150800095	BAGER	UNAT	DOÇ. DR. BURCU GEMİCİ
85	20170800118	MUSTAFA ANIL	USLU	DOÇ. DR. BURCU GEMİCİ
86	20160800037	MEHMET UFUK	YANMAZ	DOÇ. DR. BURCU GEMİCİ
87	20160800063	ALİ	YENİGÜN	DOÇ. DR. BURCU GEMİCİ
88	20160800050	LEVENT	YİĞİNER	DOÇ. DR. BURCU GEMİCİ
89	210800034	NUR RİMA	YOLA	DOÇ. DR. BURCU GEMİCİ

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