

**MARMARA UNIVERSITY (MU) – EASTERN MEDITERRANEAN UNIVERSITY (EMU)  
INTERNATIONAL JOINT MEDICAL PROGRAMME  
COURSE DESCRIPTION**

1.	<p><b>MEDN110 Introduction to Cell and Cellular Replication</b></p> <p>At the end of this committee, first year students will gain knowledge about structure, function and mechanisms in human biology at the molecular and cellular levels with a specific emphasis on cellular replication and genetics.</p> <p>Learning Objectives: At the end of this committee, students will,</p> <ul style="list-style-type: none"> <li>• Identify and describe the development, structure and function of cell and its subcomponents</li> <li>• Evaluate the biochemical process of the cell</li> <li>• Understand cell division process and related mechanisms</li> <li>• Describe the genetics mechanisms and protein biosynthesis</li> <li>• Understand genetic variation in individuals</li> <li>• Describe the molecular mechanisms of genetic inheritance and genetic basis of inherited disease</li> <li>• Acquire skills necessary to perform experimental applications</li> </ul>
2.	<p><b>MEDN120 Cellular Metabolism and Transport</b></p> <p>At the end of this committee, first year students will gain knowledge about the metabolic pathways within the cell, structure of the cell membrane and transport mechanisms.</p> <p>Learning Objectives: At the end of this committee, students will,</p> <ul style="list-style-type: none"> <li>• acquire knowledge related to structural characteristics, functions and regulation of enzymes and coenzymes</li> <li>• understand the ATP synthesis and its effect on metabolic pathways</li> <li>• describe the constituents and reactions of metabolic pathways within the cell</li> <li>• understand membrane structure and its function, physical principles of transport and signalling mechanisms both within and among the cells</li> <li>• acquire skills necessary to perform experimental applications.</li> </ul>
3.	<p><b>MEDN130 Development and Organization of Human Body</b></p> <p>At the end of this course, first year students will acquire knowledge about the development, organization and function of different tissues to form organs. During this course students will also gain knowledge about the basic properties of microbiological universe and defence mechanism of the body.</p> <p>Learning Objectives: At the end of this committee, first year students will,</p> <ul style="list-style-type: none"> <li>• define the structural elements of the tissues</li> <li>• identify the different tissues regarding their structures, organization and functioning</li> <li>• acquire knowledge concerning the development and differentiation process of the organs</li> <li>• understand the classification and the basic properties of various microorganisms, and basic genetics of the bacteria</li> <li>• acquire skills necessary to perform experimental applications</li> </ul>
4.	<p><b>MEDN140 Introduction to Nervous System and Human Behavior</b></p> <p>At the end of this committee, first year students will gain a general sight to the concept of human body through the systems that constitute and define the main communicative network of the body. During this course students will also gain knowledge about the basic principles of human behavior and the main concepts of medical ethics.</p> <p>Learning Objectives: At the end of this committee, first year students will;</p> <ul style="list-style-type: none"> <li>• define the structural elements of the nervous system</li> <li>• be able to identify the different tissues regarding their structures, organization and functioning</li> <li>• acquire knowledge concerning the development and differentiation process of the nervous system organs and their function</li> <li>• acquire knowledge on human behavior</li> <li>• acquire skills necessary to perform experimental applications</li> <li>• explain evidences illustrating the existence of health inequalities and association between socio-economic position and health inequalities</li> </ul>
5.	<p><b>MEDN160 Introduction to Clinician Skills – I</b></p> <p>At the end of this course, the student will be able to;</p> <ul style="list-style-type: none"> <li>• know the major goals and the underlying principles of first aid,</li> <li>• know and execute basic nonpharmacological procedures for saving life and preventing further injury until a professional medical aid is provided.</li> </ul> <p>Learning objectives</p> <p>A.Knowledge:</p> <p>A1. The student should define the major goals of first aid.</p> <p>A2. The student should learn how to evaluate the scene of an emergency state and decide what to do and why.</p> <p>A3. The student should identify the first aid procedures to be performed at the indications</p> <p>B.Skills:</p> <p>B1. Intellectual skills:The student should have developed skills in problem solving and logical reasoning in an emergency case.</p> <p>B2. Clinical skills:</p>

	<p>oThe student should be able to perform the following in an adult, a child and a drowning victim to maintain breathing and circulation:</p> <ul style="list-style-type: none"> <li>-Mouth-to-mouth breathing</li> <li>-Cardiac massage</li> <li>-Mouth-to-nose breathing</li> </ul> <p>oThe student should be able to prevent loss of blood by:</p> <ul style="list-style-type: none"> <li>-covering the wound,</li> <li>-General care of the victim,</li> <li>-pressing on particular points,</li> </ul> <p>oThe student should be able to prevent further injury until a doctor, emergency personnel or police or fire personnel arrive.</p> <p>oThe student should be able to prevent shock by watching the common shock signs, giving the appropriate posture, keeping the victim warm, etc. when necessary.</p> <p>oThe student should be able to stabilize fractures.</p> <p>B3. Communication skills:</p> <p>oThe student should be able to communicate with the victim, his/her relatives or friends and layman on the street who tries to help without appropriate knowledge.</p>
6.	<p><b>MEDN210 Cell and Tissue Injury I</b></p> <p>At the end of this course, second year students will be able to broaden their basic science knowledge to include the understanding of how certain alterations in bodily processes may manifest as disease and gain fundamental knowledge about the processes underlying human diseases, as the scientific foundation for developing clinical skills.</p> <p>Learning Objectives: At the end of this course, second year students will,</p> <ul style="list-style-type: none"> <li>• describe using proper nomenclature, the etiology, pathogenesis, structural and functional changes at cellular and tissue level;</li> <li>• describe in detail what happens to cells and tissues in response to abnormal stimuli;</li> <li>• explain the basic principles of human immune system as it relates to defense against disease (innate, humoral, cell mediated);</li> <li>• describe the principles of classifying infectious microorganisms and their pathogenic properties;</li> <li>• gain knowledge about viruses and viral pathogenesis;</li> <li>• gain knowledge about parasites and pathogenesis of parasitic diseases;</li> <li>• identify major drug classes and prototype drug(s) for each class.</li> </ul>
7.	<p><b>MEDN220 Cell and Tissue Injury II</b></p> <p>At the end of this course, second year students will be able to broaden their basic science knowledge to understand how certain alterations in bodily processes may manifest as disease and gain fundamental knowledge about the processes underlying human diseases, as the scientific foundation for developing clinical skills.</p> <p>Learning Objectives:At the end of this course, second year students will,</p> <ul style="list-style-type: none"> <li>• describe using proper nomenclature, the etiology, pathogenesis, structural and functional changes at cellular and tissue level;</li> <li>• describe in detail what happens to cells and tissues in response to abnormal stimuli;</li> <li>• explain the basic principles of human immune system as it relates to defense against disease (innate, humoral, cell mediated);</li> <li>• describe the principles of classifying infectious microorganisms and their pathogenic properties;</li> <li>• gain knowledge about bacteria and bacterial pathogenesis;</li> <li>• gain knowledge about fungi and pathogenesis of fungal diseases;</li> <li>• identify major drug classes and prototype drug(s) for each class.</li> </ul>
8.	<p><b>MEDN230 Hematopoietic System and Related Disorders</b></p> <p>At the end of this committee, second year students will gain knowledge about the development, structure and physiology of the hematopoietic system and pathogenesis of the disorders related to system. They will also gain knowledge about the signs and symptoms of hematopoietic disorders, related risk factors, prevention, diagnosis, and principles of treatment.</p> <p>Learning Objectives:At the end of this committee, second year students will,</p> <ul style="list-style-type: none"> <li>• understand the development and histology of the lymphoid organs and blood</li> <li>• identify the structure and function of the hematopoietic system</li> <li>• define the pathologic processes in hematological disorders</li> <li>• gain knowledge about microorganisms affect the hematopoietic system and their pathogenesis in infectious process</li> <li>• gain knowledge about the risk groups, risk factors related to hematological disorders and preventive measures</li> <li>• gain knowledge about the signs and symptoms of these disorders</li> <li>• gain knowledge about the approach to diagnosis, and principles of treatment in hematological disorders</li> <li>• define the pharmacotherapy of hematological disorders</li> <li>• acquire skills necessary to perform experimental applications.</li> </ul>
9.	<p><b>MEDN240 Musculoskeletal, Integumentary Systems and Related Disorders</b></p> <p>At the end of this committee, second year students will gain knowledge about the development, structure and physiology of the musculoskeletal system and pathogenesis of the disorders related to this system. They will also gain</p>

	<p>knowledge about the signs and symptoms of musculoskeletal and integumentary disorders, related risk factors, prevention, diagnosis, principles of treatment and rehabilitation.</p> <p>Learning Objectives: At the end of this committee, second year students will,</p> <ul style="list-style-type: none"> <li>• understand the development of the musculoskeletal and integumentary system</li> <li>• identify the structure and function of the musculoskeletal and integumentary system</li> <li>• define the pathologic processes in the musculoskeletal and integumentary disorders</li> <li>• gain knowledge about microorganism that affect the musculoskeletal and integumentary system and their pathogenesis in infectious process</li> <li>• gain knowledge about the risk groups, risk factors related to the musculoskeletal and integumentary disorders and preventive measures</li> <li>• gain knowledge about the signs and symptoms of these disorders</li> <li>• gain knowledge about the approach to diagnosis, principles of treatment and rehabilitation of musculoskeletal disorders</li> <li>• define the pharmacotherapy of cardiovascular disorders</li> <li>• acquire skills necessary to perform experimental applications</li> </ul>
10.	<p><b>MEDN250                    Respiratory System and Related Disorders</b></p> <p>At the end of this committee, second year students will gain knowledge about the development, structure and physiology of the respiratory system and pathogenesis of the disorders related to system. They will also gain knowledge about the signs and symptoms of pulmonary diseases, related risk factors, prevention, diagnosis, and principles of treatment.</p> <p>Learning Objectives: At the end of this committee, second year students will,</p> <ul style="list-style-type: none"> <li>• review the development and histology of the respiratory system</li> <li>• describe the mechanism of breathing and identify the movement, solubility and transport of gas molecules</li> <li>• understand the factors impairing the normal function of the respiratory system and their pathological reflections on the occurrence of the disease</li> <li>• gain knowledge about microorganisms that affect the respiratory system and respiratory tract infections</li> <li>• gain knowledge about the risk groups, risk factors related to pulmonary diseases and preventive measures</li> <li>• gain knowledge about the major signs and symptoms of the pulmonary diseases</li> <li>• gain knowledge about the approach to diagnosis, and principles of treatment in pulmonary diseases</li> <li>• comprehend the hazards of smoking</li> <li>• define the pharmacotherapy of pulmonary diseases</li> <li>• acquire skills necessary to perform experimental applications</li> </ul>
11.	<p><b>MEDN260                    Introduction to Clinician Skills – II</b></p> <p>The goals and objectives of this course are to develop clinical and reasoning skills by exposing students early in their medical career to the skills and knowledge necessary to practice medicine. This takes place within the small group setting. In the second semester and next year (ICP-3), patient encounters (other than simulated/standardized ones) where students can begin to utilize these newly developed skills are planned.</p> <p>Goals:</p> <ul style="list-style-type: none"> <li>• To provide clinical context to the basic science curriculum.</li> <li>• To acquire and demonstrate attitudes necessary for the achievement of high standards of medical practice in relation to both the provision of care of individuals and populations.</li> <li>• To acquire the skills of independent and self-directed learning and a commitment towards the maintenance of clinical competence through life-long learning, professional and personal development.</li> <li>• To acquire basic procedural skills by utilizing Clinical Skills Laboratory with a competency-based approach and in conformity with humanistic medical education principles.</li> </ul> <p>Objectives:</p> <ul style="list-style-type: none"> <li>• The student should acquire and become proficient in basic clinical skills, such as the ability to obtain a patient's history, to undertake a comprehensive physical examination; and record and present the findings.</li> <li>• Demonstrate effective interpersonal and communication skills in complex interactions with patients and colleagues.</li> <li>• Demonstrate proficiency in the performance of the basic screening physical examination.</li> <li>• Be able to utilize the information gathered in the history and physical to identify a list of the patient's problems.</li> <li>• Demonstrate proficiency in the recording and oral presentation of clinical data with accuracy and precision.</li> <li>• Demonstrate competence in the performance of a limited number of basic technical procedures.</li> <li>• The student should acquire a knowledge and understanding of health and its promotion, and of disease, its prevention and management, in the context of the whole individual in his or her place in the family and society.</li> <li>• Form a respectful working alliance with a small group of peers and faculty as a basis for future professional relationships. Develop team-working, organization and management skills.</li> <li>• Demonstrate essential skills in critical thinking, reasoning and problem-solving.</li> <li>• Understand the knowledge, skills and attitudes that promote a constructive patient-physician relationship.</li> <li>• Demonstrate a capacity for self-audit and effective participation in peer review: showing an awareness of his/her own strengths and weaknesses.</li> </ul>

12.	<p><b>MEDN310 Cardiovascular System and Related Disorders</b></p> <p>With an interdisciplinary approach, to learn about the morphology and functions of the cardiovascular system, about the principles of circulation and to correlate the pathophysiological mechanisms with the diseases of the cardiovascular system.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> <li>• To learn the morphology of the heart and the vessels</li> <li>• To describe the basic mechanisms of circulation</li> <li>• To define and discuss the factors impairing the normal function of the cardiovascular system and their pathological reflections on the occurrence of the diseases</li> <li>• To learn the major symptoms and signs of the cardiovascular diseases and the principles of therapeutic approaches</li> <li>• To learn the methods of the prevention of the cardiovascular diseases and its epidemiological importance as related with the mortality and morbidity in the population</li> </ul>
13.	<p><b>MEDN320 Gastrointestinal System, Metabolism and Related Disorders</b></p> <p>At the end of this committee, third year students will gain knowledge about the development, structure and physiology of the gastrointestinal system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of gastrointestinal system disorders, related risk factors, prevention, diagnosis and principles of treatment.</p> <p>Learning Objectives: At the end of this committee, third year student will,</p> <ul style="list-style-type: none"> <li>• understand and review the development, histology and structure of the gastrointestinal system,</li> <li>• understand the working mechanism of gastrointestinal function and its regulation,</li> <li>• comprehend gastrointestinal system as a processor converting foods to building stones of energy,</li> <li>• define the pathologic processes in gastrointestinal system disorders,</li> <li>• gain knowledge about microorganisms that affect the gastrointestinal system and its infections,</li> <li>• gain knowledge about the risk factors related to gastrointestinal system disorders and preventive measures,</li> <li>• gain knowledge about the major signs and symptoms of these disorders</li> <li>• gain knowledge about the approach to diagnosis, and principles of treatment in gastrointestinal disorders and comprehend laboratory investigation as a part of differential diagnosis.</li> </ul>
14.	<p><b>MEDN330 Nervous System and Related Disorders</b></p> <p>At the end of this course, third year students will gain knowledge about the development, structure and physiology of the nervous system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of nervous system disorders, related risk factors, prevention, diagnosis and principles of treatment.</p> <p>Learning Objectives: At the end of this course, third year students will,</p> <ul style="list-style-type: none"> <li>• review the structure and function of the nervous system.</li> <li>• define the pathologic processes in neurological disorders</li> <li>• gain knowledge about microorganism that affect the nervous system and associated infections</li> <li>• gain knowledge about the risk factors related to neurological disorders</li> <li>• gain knowledge about the signs and symptoms of these disorders gain knowledge about the prevention of nervous system disorders, approach to diagnosis, principles of treatment and rehabilitation</li> </ul>
15.	<p><b>MEDN340 Growth, Development, Mental Health and Related Disorders</b></p> <p>At the end of this committee, third year students will gain knowledge about the structure, functions and the pathogenesis of the disorders related to endocrine system. During this committee students will gain a comprehensive view on the health problems of the certain periods of human life cycle such as childhood, adolescents and elderly with a specific emphasis on the growth, development and mental health. They will also gain knowledge about the signs and symptoms of endocrine disorders, psychiatric disorders, related risk factors, prevention, diagnosis and principles of treatment.</p> <p>Learning Objectives: At the end of this course, third year students will,</p> <ul style="list-style-type: none"> <li>• review the development, histology and structure of the endocrine system,</li> <li>• understand the principles of endocrine homeostasis and hormone action, define the pathologic processes in endocrine and mental disorders,</li> <li>• get knowledge about growth, development and monitoring in childhood,</li> <li>• gain knowledge about the risk factors and preventive measures related to endocrine and mental disorders,</li> <li>• gain knowledge about the major signs and symptoms of endocrine and mental disorders, explain the main determinants of health,</li> <li>• explain the importance and the effects of social, environmental and life style factors on mental and physical health, gain knowledge about the approach to diagnosis and principles of treatment in endocrine and mental disorders.</li> </ul>
16.	<p><b>MEDN350 Urinary and Reproductive System and Related Disorders</b></p> <p>At the end of this committee, third year students will gain knowledge about the development, structure and physiology of the urinary and reproductive system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of urinary and reproductive system disorders, related risk factors, prevention, diagnosis and principles of treatment.</p> <p>Learning Objectives: At the end of this course, third year students will,</p> <ul style="list-style-type: none"> <li>• review the development, histology and physiology of the urinary system,</li> <li>• review the development, histology and physiology of male and female reproductive systems,</li> </ul>

	<ul style="list-style-type: none"> <li>• define the pathologic processes in urinary and reproductive system disorders, gain knowledge about microorganisms that affect the genitourinary system and associated infections,</li> <li>• gain knowledge about the risk factors related to genitourinary system disorders, gain knowledge about the signs and symptoms of these disorders,</li> <li>• gain knowledge about the prevention of genitourinary system disorders, approach to diagnosis, principles of treatment, define the major concepts of reproductive health, including family planning and safe- motherhood.</li> </ul>
17.	<p><b>MEDN360 Introduction to Clinician Skills – III</b></p> <p>The goals and objectives of this course are to develop clinical and reasoning skills by exposing students early in their medical career to the skills and knowledge necessary to practice medicine. This takes place within the small group settings.</p> <p>Goals:</p> <ul style="list-style-type: none"> <li>• To acquire and demonstrate attitudes necessary for the achievement of high standards of medical practice in service of individuals and community.</li> <li>• To acquire basic procedural skills with a competency-based approach and in conformity with humanistic medical education principles.</li> <li>• To recognize health problems of the community.</li> <li>• To recognize medical practice at primary care level.</li> <li>• To acquire knowledge and skill in dealing with difficult patients, sensitive issues and difficult topics regarding communication skills.</li> </ul> <p>Objectives:</p> <ul style="list-style-type: none"> <li>• Demonstrate competence in performing the basic physical examination on models.</li> <li>• Demonstrate proficiency in the performance of the history taking and physical examination as a whole on real patient.</li> <li>• Demonstrate competence in the performance of a limited number of basic procedural skills.</li> <li>• Demonstrate understanding in cause-effect relationship and causality</li> <li>• Demonstrate competency in approaching to an authentic case comprehensively</li> </ul>
18.	<p><b>MEDN400 Orientation Program to Clinical Education</b></p> <p>The students will be divided in to 4 groups (I, II, III, and IV).</p> <p>Each group will be in laboratory module for two days and rest of them will be delivered to outpatients clinics. The students will observe the outpatient clinics in 6 days. At the end of the program on Friday, students will take a history and make a physical examination from a real patient. They fill a standardized form and the form will have been signed by the academic staff of the outpatient clinic.</p>
19.	<p><b>MEDN402 Internal Medicine I: Cardiology, Chest Medicine, Hematology</b></p> <p>LEARNING OBJECTIVES of CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with cardiovascular, chest, hematologic and oncological diseases.</li> <li>• Gaining competencies in basic clinical skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> </ul> <p>Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</p>
20.	<p><b>MEDN403 Internal Medicine II: Endocrinology, Gastroenterology, Nephrology</b></p> <p>LEARNING OBJECTIVES of THIS CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with cardiovascular, chest, hematologic and oncological diseases.</li> <li>• Gaining competencies in basic clinical skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> </ul> <p>Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</p>
21.	<p><b>MEDN404 Nervous System &amp; Mental Health and Related Disorders</b></p> <p>LEARNING OBJECTIVES of THIS CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with nervous system-mental health and related disorders.</li> <li>• Gaining competencies in basic clinical skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> </ul>

23.	<p><b>MEDN407 Professionalism and Counseling Program – I</b></p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none"> <li>• Understanding of human experience in health processes with its all dimensions and identifying the problems and creating appropriate solutions</li> <li>• Building effective communication with patients and their relatives, colleagues, agencies, media/press/Teaching, Managing, Patient advocate/Observation and being open to work in a team</li> <li>• Establishing awareness of appropriate professional attitudes, ethical understanding and legal responsibilities</li> <li>• Understanding of social and cultural values and their place in health system</li> <li>• Gaining of reflective practice and thinking abilities, heightening the sensitivity in health processes; improving personal and professional awareness and openness to life time development</li> <li>• Understanding and criticizing the national and international health politics and management processes in health</li> <li>• Gaining of basic knowledge and practice of teaching, learning, evaluation, giving feedback</li> <li>• Understanding of the personal and professional development opportunities and making future plans</li> </ul>
24.	<p><b>MEDN408 Ophthalmology</b></p> <p>LEARNING OBJECTIVES of CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with ophthalmology</li> <li>• Gaining competencies in basic clinical skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> <li>• Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</li> </ul>
25.	<p><b>MEDN409 Otorhinolaryngology</b></p> <p>LEARNING OBJECTIVES of CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with otorhinolaryngology.</li> <li>• Gaining competencies in basic clinical skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> <li>• Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</li> </ul>
26.	<p><b>MEDN410 Dermatology</b></p> <p>LEARNING OBJECTIVES of CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with dermatology.</li> <li>• Gaining competencies in basic clinical skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> <li>• Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</li> </ul>
27.	<p><b>MEDN502 Phase 2: Pediatrics</b></p> <p>LEARNING OBJECTIVES of THIS CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Obtain a routine age-appropriate history and perform physical examination in children of all ages.</li> <li>• Describe the clinical features of common acute and chronic pediatric conditions; diagnose and manage these conditions</li> <li>• Interpret the results of common diagnostic tests with an emphasis on age-related norms.</li> <li>• List the differential diagnosis for common symptoms or patient presentations such as fever, cough, vomiting, jaundice, hematuria, proteinuria, arrhythmia, syncope, head ache abdominal pain, lymphadenopathy.</li> </ul> <p>Recognize acute life threatening conditions like shock, dehydration and intoxication and initiate basic life support and appropriate initial therapy.</p>
28.	<p><b>MEDN504 Development of Lifelong Health</b></p> <p>LEARNING OBJECTIVES of THIS CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• To assess growth and plot the data on age and sex appropriate growth charts</li> <li>• To list the differential diagnosis and evaluation of child with growth and development disorders</li> <li>• To provide age appropriate nutritional advice to families with special emphasis on breastfeeding</li> <li>• To provide age appropriate anticipatory guidance to prevent life threatening conditions such as sudden infant death syndrome, supervision to prevent intoxications, injuries, falls and choking</li> </ul>

	<ul style="list-style-type: none"> <li>• To list the components of age appropriate pediatric health supervision visit including health promotion and disease and injury prevention, the use of screening tools, and assessment of immunization status.</li> <li>• To define the stages of cognitive development</li> <li>• To know when to guide the children, with school failure and other school problems, to child psychiatry clinics</li> <li>• To define the disorders of sleep and anxiety disorders that are frequently encountered in children and adolescents.</li> <li>• To define common psychiatric problems of adolescence and to distinguish the individuals who are at risk for developing psychopathology.</li> <li>• To know the risk factors for child abuse and recognize the findings in history and physical examination that suggests child abuse</li> <li>• To define "periodic health examination" and perform to all age groups.</li> <li>• To recommend necessary preventive services to an adult considering his/her personal risk factors and local epidemiologic data.</li> <li>• To list the probable mental health problems related to life cycle of women.</li> <li>• To know the exercise types which could be recommended to healthy people and list necessary screening tests before starting an exercise program.</li> <li>• To manage initial treatment of sports injuries.</li> <li>• To counsel smokers adequately and offer help for smoking cessation.</li> <li>• To screen risky behavior and manage appropriately.</li> <li>• To recommend preventive methods against obesity.</li> <li>• To recognize occupational health risks of healthcare workers and to take necessary precautions.</li> <li>• To offer necessary preventive services to the elderly as a risk group.</li> <li>• To recognize frequent syndromes of the elderly and manage appropriately.</li> <li>• To know "health promotion" as a concept and to act accordingly.</li> </ul>
29.	<p><b>MEDN507 Basic Surgical Disorders and Invasive Procedures</b></p> <p>LEARNING OBJECTIVES of THIS CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by Integrating knowledge related with surgical disorders in pediatric and adult periods.</li> <li>• Gaining competencies in basic clinical and invasive skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> <li>• Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</li> </ul>
30.	<p><b>MEDN508 Specific Surgical Disorders and Invasive Procedures</b></p> <p>LEARNING OBJECTIVES of CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• Analyzing problems, understanding decision making and problem solving processes by Integrating knowledge related with surgical disorders in pediatric and adult periods.</li> <li>• Gaining competencies in basic clinical and invasive skills</li> <li>• Understanding patient, disease and health care process management</li> <li>• Effective communication with patients, their relatives and health team; being open to collaboration and team work</li> <li>• Taking care of professional, societal and individual values, and develop behaviors accordingly</li> <li>• Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies</li> </ul>
31.	<p><b>MEDN509 Obstetrics and Gynecology</b></p> <p>LEARNING OBJECTIVES of CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• To define reproductive health, reproductive rights, life-long approach and the principles for fertility regulation and to evaluate related laws and regulations and the applications in the health system</li> <li>• To perform reproductive/sexual health (RSH) interview with the patient and to use counselling principles.</li> <li>• To define female and male R/S system structures, functions and dysfunctions and psychiatric and urologic dimensions of the sexuality, to explain current therapeutic approaches and applications</li> <li>• To define sexual abuse and violence, to recognize their symptoms and to write legal report; to explain current therapeutic approaches</li> <li>• To evaluate and manage the basic urological symptoms</li> <li>• To perform basic urological examination</li> <li>• To recognize and manage the urological emergencies until transport of the patient</li> <li>• To suggest screening methods for urological cancer and evaluate the results for early detection</li> <li>• To diagnose urogenital genital infections and urinary tract stone disease, suggest necessary precautions</li> </ul>
32.	<p><b>MEDN511 Introduction to Reproductive Health and Urogenital System Disorders</b></p> <p>LEARNING OBJECTIVES of THIS CLERKSHIP PROGRAM</p> <ul style="list-style-type: none"> <li>• To define reproductive health, reproductive rights, life-long approach and the principles for fertility regulation and to evaluate related laws and regulations and the applications in the health system</li> <li>• To perform reproductive/sexual health (RSH) interview with the patient and to use counselling principles.</li> </ul>

	<ul style="list-style-type: none"> <li>• To define female and male R/S system structures, functions and dysfunctions and psychiatric and urologic dimensions of the sexuality, to explain current therapeutic approaches and applications</li> <li>• To define sexual abuse and violence, to recognize their symptoms and to write legal report; to explain current therapeutic approaches</li> <li>• To evaluate and manage the basic urological symptoms</li> <li>• To perform basic urological examination</li> <li>• To recognize and manage the urological emergencies until transport of the patient</li> <li>• To suggest screening methods for urological cancer and evaluate the results for early detection</li> <li>• To diagnose urogenital genital infections and urinary tract stone disease, suggest necessary precautions</li> </ul>
33.	<p><b>MEDN512 Professionalism and Counseling Program – II</b></p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none"> <li>• Understanding of human experience in health processes with its all dimensions and identifying the problems and creating appropriate solutions</li> <li>• Building effective communication with patients and their relatives, colleagues, agencies, media/press/Teaching, Managing, Patient advocate/Observation and being open to work in a team</li> <li>• Establishing awareness of appropriate professional attitudes, ethical understanding and legal responsibilities</li> <li>• Understanding of social and cultural values and their place in health system</li> <li>• Gaining of reflective practice and thinking abilities, heightening the sensitivity in health processes; improving personal and professional awareness and openness to life time development</li> <li>• Understanding and criticizing the national and international health politics and management processes in health</li> <li>• Gaining of basic knowledge and practice of teaching, learning, evaluation, giving feedback</li> <li>• Understanding of the personal and professional development opportunities and making future plans</li> </ul>
34.	<p><b>MEDN601 Phase 3: Internal Medicine</b></p> <p>2 months of internship including theoretical courses and practices in Internal Medicine department of the hospital.</p>
35.	<p><b>MEDN602 Phase 3: Pediatrics</b></p> <p>2 months of internship including theoretical courses and practices in Pediatrics department of the hospital.</p>
36.	<p><b>MEDN603 Emergency Medicine</b></p> <p>2 months of internship including theoretical courses and practices in Emergency department of the hospital.</p>
37.	<p><b>MEDN605 Public Health</b></p> <p>6 weeks of internship including theoretical courses in campus; and practices in Public Health Centers, Public Health Laboratories, schools, rehabilitation centers, pharmacies, and related governmental units.</p>
38.	<p><b>MEDN606 Primary Care</b></p> <p>3 weeks of internship in Family Health Centers.</p>
39.	<p><b>MEDN607 Community Health Research/Project</b></p> <p>Students are expected to determine on a research subject, plan and prepare its proposal, and carry out data collection and analysis under the supervision of a faculty member and a research assistant.</p>
40.	<p><b>MEDN608 Professionalism and Counseling Program – III</b></p> <p>LEARNING OBJECTIVES</p> <ul style="list-style-type: none"> <li>• Understanding of human experience in health processes with its all dimensions and identifying the problems and creating appropriate solutions</li> <li>• Building effective communication with patients and their relatives, colleagues, agencies, media/press/Teaching, Managing, Patient advocate/Observation and being open to work in a team</li> <li>• Establishing awareness of appropriate professional attitudes, ethical understanding and legal responsibilities</li> <li>• Understanding of social and cultural values and their place in health system</li> <li>• Gaining of reflective practice and thinking abilities, heightening the sensitivity in health processes; improving personal and professional awareness and openness to life time development</li> <li>• Understanding and criticizing the national and international health politics and management processes in health</li> <li>• Gaining of basic knowledge and practice of teaching, learning, evaluation, giving feedback</li> <li>• Understanding of the personal and professional development opportunities and making future plans</li> </ul>



<b>Course Descriptions – II - English: All compulsory courses offered by other academic units</b>	
1.	<p><b>HIST180 Ataturk's Principles and The History of Modern Turkey (for Turkish students)</b></p> <p>To teach the history of modern Turkish history, Atatürk's Principles and the history of Turkish renovation.</p>
2.	<p><b>ENGL131 Medical English</b></p> <p>Students develop and strengthen their understanding of medical terminology as it is used in a health care context. Language development will be facilitated through the use of case scenarios, dialogues and discussions related to body systems, medications, and medication administration as well as health care contexts. Through the use of reading for general meaning, word expansions and vocabulary building, internationally-educated health care providers are able to acquire career-specific language development.</p>
3.	<p><b>TFMS101 Turkish for Medicine Students - I (for foreign students)</b></p> <p>TFMS 101 is the first year 1st term Turkish Communication course in Dr. Fazıl Küçük Faculty of Medicine and is a mandatory course for only foreign medical students studying within the framework of the Eastern Mediterranean University - Marmara University International Joint Medical Program.</p>
4.	<p><b>TFMS102 Turkish for Medicine Students - II (for foreign students)</b></p> <p>TFMS 102 is the first year 2nd term Turkish Communication course in Dr. Fazıl Küçük Faculty of Medicine and is a mandatory course for only foreign medical students studying within the framework of the Eastern Mediterranean University - Marmara University International Joint Medical Program.</p>
5.	<p><b>TFMS201 Turkish for Medicine Students - III (for foreign students)</b></p> <p>TFMS 201 is the second year Turkish Communication course in Dr. Fazıl Küçük Faculty of Medicine and is a mandatory course for only foreign medical students studying within the framework of the Eastern Mediterranean University - Marmara University International Joint Medical Program.</p>
6.	<p><b>TFMS301 Turkish for Medicine Students IV (for foreign students)</b></p> <p>TFMS 301 is the third year Turkish Communication course in Dr. Fazıl Küçük Faculty of Medicine and is a mandatory course for only foreign medical students studying within the framework of the Eastern Mediterranean University - Marmara University International Joint Medical Program.</p>
7.	<p><b>UE 01 Phase 1: Elective I</b></p> <p>Students choose one from a range of elective courses offered. The elective courses offered may vary each academic year.</p>
8.	<p><b>UE 02 Phase 1: Elective II</b></p> <p>Students choose one from a range of elective courses offered. The elective courses offered may vary each academic year.</p>
9.	<p><b>UE 03 Phase 1: Elective III</b></p> <p>Students choose one from a range of elective courses offered. The elective courses offered may vary each academic year.</p>