

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**Musculo-Skeletal System**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
Musculo-Skeletal System	18. Committee	Spring Semester	101+18	0	6
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Committee				
<b>Course Coordinator</b>	Prof.Dr. Aylin REZVANİ				
<b>Name of Lecturer(s)</b>	Prof.Dr. Aylin REZVANİ				
<b>Assistant(s)</b>					
<b>Aim</b>	This committee has three main objectives: The first one is to provide an understanding the pathological mechanisms, pharmacological treatments and radiological findings of musculoskeletal system diseases from the perspectives of the disciplines of orthopedics, physical therapy, internal medicine, pediatrics and infectious diseases. The second one is to focus on health situations and to provide making the definition the health problems in the society and determination the principles and basic concepts of preventive medicine that should be applied to raise the health level of the society, evaluation the public health approach and important working areas and gaining the public health perspective on health problems. The third aim is to provide gaining a perspective on the forensic and legal processes in the health system.				
<b>Course Content</b>	This course contains; Physical Medicine and Rehabilitation-2-Degenerative Joint Diseases,Physical Medicine and Rehabilitation-Pain (Types and mechanism),Physical Medicine and Rehabilitation-Soft tissue rheumatisms,Physical Medicine and Rehabilitation-Chronic pain syndromes,Physical Medicine and Rehabilitation-Soft tissue rheumatisms-1 (Tendonitis, bursitis, capsulitis and neuritis),Physical Medicine and Rehabilitation-3-Rheumatic Diseases: Introduction and Classification,Physical Medicine and Rehabilitation-Soft Tissue Diseases (Fibromyalgia And Tenosynovitis),Physical Medicine and Rehabilitation- NECK,BACK AND LOWBACK PAIN,Physical Medicine and Rehabilitation-Introduction to Orthopedic Rehabilitation,Public Health -Occupational Health and Safety,Public Health -Occupational Diseases and Accidents,Public Health -Accidents and Injuries,Public Health -Health Services During Disasters and Public Health Emergencies,Microbiology- Musculoskeletal Infection Factors-,Pathology-Fracture of FractuPre - Osteomyelitis,Pathology-Metabolic Diseases of Bone,Pathology-Bone Tumors-1-2,Pathology-Soft Tissue Tumors-1-2,Pathology-Pathology of Joint Diseases,Pathology-Pathology of skin diseases and tumors,Pathology-Lab-Pathology of bone, joint and soft tissue diseases,Pediatrics-Breastfeeding Consultancy-,Pediatrics-Introduction to Pediatric Rheumatology,Radiology-Introduction to Musculoskeletal System Radiology,Radiology of Musculoskeletal System (Tumor and Similar Conditions) -1-2,Radiology of Musculoskeletal System (Arthritis and Other Conditions) -1-2,Radiology of Musculoskeletal System (Infectious and Metabolic Diseases) -1-2,Nuclear Medicine-Nuclear Medicine Applications in Musculoskeletal System,Infectious diseases-Approach to Bone and Joint Infections in Adults,Infectious diseases-Approach to Skin and Soft Tissue Infections in Adults-1-2,Internal Medicine-Autoimmune Rheumatic Diseases (SLE, Sjögren),Internal Medicine-Systemic Vasculitis-, Internal Medicine-3- Autoinflammatory Diseases,Internal Medicine- Arthritis,Internal Medicine- Spondylarthritis,Internal Medicine- Rheumatoid Arthritis,Internal Medicine- Poisoning,Upper Extremity Examination,Lower Extremity Examination,Musculoskeletal System Infections,Pediatric Orthopaedics,Orthopedic Emergencies,Sports Surgery,Fractures and Dislocations,Scoliosis and Kyphosis,Health Law-Introduction; Right to health and principles of biomedical ethics ,Health Law-Patients' Rights,Health Law-Informed Consent,Health Law- Medical Records,Health Law-Right to Privacy and Confidentiality-,Health Law-Protection of Personal Data and Sensitive Data / Confidentiality and COVID-19- ,Health Law-Legal Responsibility of Healthcare Practitioners,Forensic Medicine-Medikolegal Evaluation of Forensic Medicine and Wounds ,Forensic Medicine-Evaluate the Criminal Crimes Defined in the Turkish Criminal Code in Terms of forensic medicine,Forensic Medicine-Pathophysiology of death ,Forensic Medicine-Pathophysiology of death II,Forensic Medicine-Forensic Medical Evaluation of Death-Forensic Autopsy,Forensic Medicine-Head Traumas ,Forensic Medicine-Deaths of Asphyxia ,Forensic Medicine-Deaths of Asphyxia II ,Forensic Medicine-Forensic Toxicology ,Forensic Medicine-Forensic Case Examples ,Reading Scientific Articles,Errors in Researches,Keeping up with scientific literature.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
Pathology and clinical features of frequent muscle and skeletal diseases			14, 18, 3, 9	A	
<b>Teaching Methods</b>	14: Self Study Method, 18: Micro Teaching Technique, 3: Problem Baded Learning Model, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Physical Medicine and Rehabilitation-2-Degenerative Joint Diseases	none			
2	Physical Medicine and Rehabilitation-Pain (Types and mechanism)	none			
3	Physical Medicine and Rehabilitation-Soft tissue rheumatisms	none			
4	Physical Medicine and Rehabilitation-Chronic pain syndromes	none			
5	Physical Medicine and Rehabilitation-Soft tissue rheumatisms-1 (Tendonitis, bursitis, capsulitis and neuritis)	none			
6	Physical Medicine and Rehabilitation-3-Rheumatic Diseases: Introduction and Classification	none			
7	Physical Medicine and Rehabilitation-Soft Tissue Diseases (Fibromyalgia And Tenosynovitis)	none			
8	Physical Medicine and Rehabilitation- NECK,BACK AND LOWBACK PAIN	none			
9	Physical Medicine and Rehabilitation-Introduction to Orthopedic Rehabilitation	none			
10	Public Health -Occupational Health and Safety	none			
11	Public Health -Occupational Diseases and Accidents	none			
12	Public Health -Accidents and Injuries	none			
13	Public Health -Health Services During Disasters and Public Health Emergencies	none			
14	Microbiology- Musculoskeletal Infection Factors-	none			
15	Pathology-Fracture of FractuPre - Osteomyelitis	none			
16	Pathology-Metabolic Diseases of Bone	none			
17	Pathology-Bone Tumors-1-2	none			
18	Pathology-Soft Tissue Tumors-1-2	none			

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**Musculo-Skeletal System**

**Syllabus**

<b>Lecture Schedule</b>		
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>
19	Pathology-Pathology of Joint Diseases	none
20	Pathology-Pathology of skin diseases and tumors	none
21	Pathology-Lab-Pathology of bone, joint and soft tissue diseases	there is
22	Pediatrics-Breastfeeding Consultancy-	none
23	Pediatrics-Introduction to Pediatric Rheumatology	none
24	Radiology-Introduction to Musculoskeletal System Radiology	none
25	Radiology of Musculoskeletal System (Tumor and Similar Conditions) -1-2	none
26	Radiology of Musculoskeletal System (Arthritis and Other Conditions) -1-2	none
27	Radiology of Musculoskeletal System (Infectious and Metabolic Diseases) -1-2	none
28	Nuclear Medicine-Nuclear Medicine Applications in Musculoskeletal System	none
29	Infectious diseases-Approach to Bone and Joint Infections in Adults	none
30	Infectious diseases-Approach to Skin and Soft Tissue Infections in Adults-1-2	none
31	Internal Medicine-Autoimmune Rheumatic Diseases (SLE, Sjögren)	none
32	Internal Medicine-Systemic Vasculitis-	none
33	Internal Medicine-3- Autoinflammatory Diseases	none
34	Internal Medicine- Arthritis	none
35	Internal Medicine- Spondylarthritis	none
36	Internal Medicine- Rheumatoid Arthritis	none
37	Internal Medicine- Poisoning	none
38	Upper Extremity Examination	none
39	Lower Extremity Examination	none
40	Musculoskeletal System Infections	none
41	Pediatric Orthopaedics	none
42	Orthopedic Emergencies	none
43	Sports Surgery	none
44	Fractures and Dislocations	none
45	Scoliosis and Kyphosis	none
46	Health Law-Introduction; Right to health and principles of biomedical ethics	none
47	Health Law-Patients' Rights	none
48	Health Law-Informed Consent	none
49	Health Law- Medical Records	none
50	Health Law-Right to Privacy and Confidentiality-	none
51	Health Law-Protection of Personal Data and Sensitive Data / Confidentiality and COVID-19-	none
52	Health Law-Legal Responsibility of Healthcare Practitioners	none
53	Forensic Medicine-Medikolegal Evaluation of Forensic Medicine and Wounds	none
54	Forensic Medicine-Evaluate the Criminal Crimes Defined in the Turkish Criminal Code in Terms of forensic medicine	none
55	Forensic Medicine-Pathophysiology of death	none
56	Forensic Medicine-Pathophysiology of death II	none
57	Forensic Medicine-Forensic Medical Evaluation of Death-Forensic Autopsy	none
58	Forensic Medicine- Head Traumas	none
59	Forensic Medicine-Deaths of Asphyxia	none
60	Forensic Medicine-Deaths of Asphyxia II	none
61	Forensic Medicine-Forensic Toxicology	none
62	Forensic Medicine-Forensic Case Examples	none
63	Reading Scientific Articles	
64	Errors in Researches	
65	Keeping up with scientific literatüre	
<b>Evaluation Methods</b>		<b>Weight(%)</b>
Midterm Exam		60
General Exam		40

**International School of Medicine / Medicine (English)**  
**2023 - 2024 Academic Year**  
**Musculo-Skeletal System**  
**Syllabus**

**Resources**

1. Lecture notes, Powerpoint presentations, Relevant web pages
1. Tıbbi Rehabilitasyon. Ed: Hasan Oğuz, Haşim Çakırbay, Burcu Yanık. 3.Baskı. Nobel Tıp Kitabevi İstanbul. 2015.
2. Rheumatology, Ed: Marc C. Hochberg, Alan J. Silman, Josef S. Smolen, Michael E. Weinblatt, Michael H. Weisman. 6th Edition. 2015 by Mosby, an imprint of Elsevier Ltd. Philadelphia . 2015.
3. Nelson Textbook of Pediatrics
4. Pediatri 1-2, Prof. Dr. Olcay NEYZİ, Prof. Dr. Türkan ERTUĞRUL
5. Infectious Diseases, 4th Edition by Jonathan Cohen
6. Vinay Kumar, Abul K. Abbas, Nelson Fausto, Richard Mitchell: Robbins Basic Pathology. 10 th ed. Saunders/Elsevier
7. Edward C. Klatt: Robbins and Cotran Atlas of Pathology. 2nd ed. Saunders.
8. Kayaalp, SO: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Ankara.
9. Hardman JG, Limbird LE, Eds.: Goodman and Gilman's The Pharmacological Basis of Therapeutics, New York.
10. Katzung & Trevor: Farmakoloji, Ankara.
11. Halk Sağlığı-Prof. Dr. Çağatay Güler, Prof. Dr. Levent Akın
12. Halk Sağlığı- Prof. Dr. Rahmi Dirican, Prof. Dr. Nazan Bilgel Epidemiyoloji.
13. Tıbbi Araştırmaların Yöntem Bilimi.- Prof. Dr. Sabahat Tezcan
14. Europe and World Health Reports
15. Strategic Plans of Ministry of Health of Turkey and Public Health Institution.
16. Vinay Kumar, Abul K. Abbas, Nelson Fausto, Richard Mitchell: Robbins Basic Pathology. 10 th ed. Saunders/Elsevier
17. Edward C. Klatt: Robbins and Cotran Atlas of Pathology. 2nd ed. Saunders.
18. Kayaalp, SO: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Ankara.
19. Hardman JG, Limbird LE, Eds.: Goodman and Gilman's The Pharmacological Basis of Therapeutics, New York. 3.Katzung & Trevor: Farmakoloji, Ankara.
20. Özkan H., Akyıldız S. "Hasta Hekim Hakları ve Davaları"