



**MUSCULOSKELETAL, INTEGUMENTARY SYSTEMS AND
RELATED DISORDERS
YEAR 2 COURSE 4**

February 29nd, 2016 – May 05st, 2016

Coordinator of the Course 2.2 Asisst. Prof., Mümtaz GÜRAN	Coordinator of the Module 2.2 Asisst. Prof., Kerem TERALI
Coordinator of Multidiciplinary Students' Lab. Asisst. Prof., Kerem TERALI	Coordinator of Clinical Skill Lab. Instructor. Berfu Çerçi ÖNGÜN
Cooordinator of Assessment Unite Asisst. Prof., Mümtaz GÜRAN, Assist. Prof. Dr. Mevhibe HOCAOĞLU, Asisst. Prof., Ayşe ÜLGEN, Asisst. Prof., Kerem TERALI	Coordinator of ICS Res. Lab. Assist. Prof. Dr. Mevhibe HOCAOĞLU
Year 2 Coordinators	
Assoc. Prof., Özgür Kasımay ÇAKIR & Instructor, Burak AKSU	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills(ICS) Coordinators Prof. Sibel SAKARYA and Assoc. Prof., Pemra Ünalan
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof, Betül KARADEMİR	Coordinator of Assessment Unite Assist. Prof., CEVDET NACAR
Vice-Chief Coordinators	
Assessment Asisst. Prof., Cevdet NACAR	Students' Affairs Asisst. Prof., Can ERZİK
Chief Coordinator Assoc. Prof., Hasan YANANLI	Coordinator of Medical Education Program Evaluation and Development Commission Prof., Berrak Ç. YEĞEN
Educational Consultant Assoc. Prof., Mehmet Ali GÜLPINAR	
Dean (EMU) Prof., Nahide GÖKÇORA	Dean (MU) Prof., Ömer GÜNAL

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 - 1. Basic clinical skills
 - 2. The organization and management of the patient and the patient care
 - 3. The organization and the management of health care delivery services / system
 - 4. Health promotion and disease prevention
- B. **Medical Knowledge and Evidence-Based Medicine**
 - 5. Appropriate information retrieval and management skills
 - 6. The integration of knowledge, critical thinking and evidence-based decision making
 - 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 - 8. Communication skills and effective communication with patients / patient relatives
 - 9. Interpersonal relationships and team working
 - 10. Ethical and professional values, responsibilities
 - 11. Individual, social and cultural values and responsibilities
 - 12. Reflective practice and continuing development
 - 13. Healthcare delivery systems, management and community oriented health care
 - 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

- 1. Understanding the normal structures and functions of human body
- 2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
- 3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
- 4. Gaining basic clinical skills by applications in simulated settings.
- 5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
- 6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
- 7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course : Growth, Development, Mental Health and Related Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

MUSCULOSKELETAL, INTEGUMENTARY SYSTEMS AND RELATED DISORDERS

AIM and LEARNING OBJECTIVES of COURSE

Aim: 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 knowledge about the signs and symptoms of musculoskeletal and integumentary disorders, related risk factors, prevention, diagnosis, principles of treatment and rehabilitation.

- Learning Objectives:** At the end of this committee, second year students will,
- understand the development of the musculoskeletal and integumentary system
 - identify the structure and function of the musculoskeletal and integumentary system
 - define the pathologic processes in the musculoskeletal and integumentary disorders
 - gain knowledge about microorganism that affect the musculoskeletal and integumentary system and their pathogenesis in infectious process
 - gain knowledge about the risk groups, risk factors related to the musculoskeletal and integumentary disorders and preventive measures
 - gain knowledge about the signs and symptoms of these disorders
 - gain knowledge about the approach to diagnosis, principles of treatment and rehabilitation of musculoskeletal disorders
 - define the pharmacotherapy of cardiovascular disorders
 - acquire skills necessary to perform experimental applications

ASSESSMENT SYSTEM

- Module examination:** Written exam at the end of the course and performance during the module
- Practical examination:** Practical exams at the end of course
- Course examination:** Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE-2.4

- Anatomy
- Biochemistry
- Family Medicine
- Histology and Embryology
- Immunology
- Medical Education
- Internal Medicine
- Medical Biology
- Microbiology

- Orthopedics and Traumatology
- Pathology
- Physical Medicine and Rehabilitation
- Physiology
- Public Health
- Radiology
- Rheumatology

LECTURERS / TUTORS

Ahmet Arman, Assoc. Prof of Medical Genetics
 Arzu İLKİ, Assoc. Professor of Microbiology
 Aymelek YALIN, Professor of Anatomy
 Ayşe Garip, Assoc. Prof. Of Biophysics
 Ayşe ÜLGEN, Assist. Professor of Biostatistics
 Berfu Çerçi ÖNGÜN, Instructor of Anatomy
 Betül KARADEMİR, Assoc. Professor of Biochemistry
 Bülent Erol, Assoc. Prof of Orthopedics and Traumatology
 Deniz FİLİNTE, Assist. Professor of Pathology
 Dilşad SAVE, Assoc. Professor of Public Health
 Emel LÜLECİ, Assoc. Professor of Public Health
 Emine ÖZERİNÇ, Instructor of School of Foreign Languages and Preparatory School
 Feriha ERCAN, Professor of Histology and Embryology
 Güner SÖYLEDİR, Professor of Microbiology
 Haner Direskeneli, Prof. Of Internal Medicine
 Hızır Kurtel, Professor of Physiology
 Hülya CABADAK, Assoc. Professor of Biophysics
 İnci USER, Assist Professor of Sociology
 Kemal BERKMAN, Professor of Pharmacology

Mehmet AKMAN, Professor of Public Health
 Murat BEZER, Professor of Orthopedics and Traumatology
 Mümtaz GÜRAN, Assist. Professor of Microbiology
 Nilgün ÇERİKÇİOĞLU, Professor of Microbiology
 Onur BUĞDAYCI, Assist. Professor of Radiology
 Önder KAYHAN, Professor of Physical Medicine and Rehabilitation
 Özgür KASIMAY, Assoc. Professor of Physiology
 Pemra ÜNALAN, Assoc. Professor of Family Medicine
 Pınar MEGA TİBER, Assist. Professor of Biophysics
 Rezzan GÜLHAN, Professor of Pharmacology
 Serap ÇİFÇİLİ, Assoc. Prof. Family Medine
 Serap ŞİRVANCI, Assoc. Professor of Histology&Embriology
 Sibel SAKARYA, Professor of Public Health
 Şefik GİRKEY, Professor of Medical History and Ethics
 Şerife Çelebi, Instructor of School of Foreign Languages and Preparatory School
 Tuncay Duruöz, Professor of Physical Medicine and Rehabilitation

READING / STUDYING MATERIALS

- Arthritis and Allied Conditions: A Textbook of Rheumatology (Koopman) Medical Microbiology (Cedric Mims et al.)
- Basic and Clinical Pharmacology (Bertram G Katzung)
- Basic Pathology (Stanley L Robbins, Marcia Angel, Vinay Kumar)
- Clinical Pharmacology (Laurence DR, Bennet PN)
- Clinical Anatomy for Medical Students: Books (Richard S., M.D. Snell)
- Clinically Oriented Anatomy: Books (Keith L. Moore, Arthur F. Dalley)
- Gray's Anatomy for Students (Richard L. Drake, Richard L. Drake Ph.D., Henry Gray Adam W.M. Mitchell)
- Gray Anatomi (Çeviri Editörü: Prof. Dr. Mehmet YILDIRIM, Güneş Kitabevi, 2006)
- Histology and Cell Biology: An Introduction to Pathology (Abraham L Kierszenbaum)
- Human Histology (Alan Stevens, James Lowe)
- Pharmacological Basis of Therapeutics (Goldman & Gilman's)
- Physical Medicine and Rehabilitation (Braddom)
- Review Medical Microbiology (Ernest Jawetz et al)
- Review of Medical Microbiology (Patric R Muray, Ken S Rosenthal)
- Textbook of Physiology (Guyton AC)
- The Developing Human (Keith L. Moore)

SUMMARY OF THE COURSE 2.4

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	41	39	80
Biochemistry	4		4
Biophysics	8		8
Family Medicine	1		1
Histology & Embryology	11	4	15
Internal Medicine	3		3
Microbiology	6	2	8
Orthopedics and Traumatology	5		5
Pathology	8	2	10
Pharmacology	6		6
Physical Medicine and Rehabilitation	7		7
Physiology	5	2	12
Public Health	7		7
Radiology	2		2
Subtotal	114	54	168
PBL Module	8		8
ICS-2: Basic Clinical Skills, Human in Medicine, Students Research Activity	35	30	65
Communication in Turkish-III (Foreign Students)	26		
Total	183	84	267

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st WEEK (29 February-04 March, 2016)		
Monday	February 29	
08:40-09:30	Introduction to the course	Dr. Mümtaz Güran
09:40-10:30	Biochemistry of bone metabolism	Dr. Betül Karademir
10:40-11:30	Biochemistry of bone metabolism	Dr. Betül Karademir
11:40-12:30	Biochemistry of muscle contraction	Dr. Betül Karademir
13:40-14:30	Biochemistry of muscle contraction	Dr. Betül Karademir
14:40-15:30	Muscles and joints: general consideration	Dr. Aymelek Yalın
15:40-16:30	Muscles and joints: general consideration	Dr. Aymelek Yalın
16:40-17:30	Upper extremity bones	Dr. Aymelek Yalın
Tuesday	March 1	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	Upper extremity bones	Dr. Aymelek Yalın
13:40-14:30	Superficial back and posterior aspect of shoulder and arm	Dr. Aymelek Yalın
14:40-15:30	Superficial back and posterior aspect of shoulder and arm	Dr. Aymelek Yalın
15:40-16:30	The anterior aspect of the arm: pectoral region and the shoulder joint, mammary glands	Dr. Aymelek Yalın
16:40-17:30	The anterior aspect of the arm: pectoral region and the shoulder joint, mammary glands	Dr. Aymelek Yalın
Wednesday	March 2	
08:40-09:30	Anatomy LAB: Upper extremity bones	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Superficial back and posterior aspect of shoulder and arm	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Superficial back and posterior aspect of shoulder and arm	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: The anterior aspect of the arm: pectoral region and the shoulder joint, mammary glands	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: The anterior aspect of the arm: pectoral region and the shoulder joint, mammary glands	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
14:40-15:30	Sports & Health	Dr. Hızır Kurtel
15:40-16:30	Neuromuscular transmission	Dr. Hızır Kurtel
16:40-17:30	Neuromuscular transmission	Dr. Hızır Kurtel
Thursday	March 3	
08:40-09:30	Hand and wrist joint	Dr. Aymelek Yalın
09:40-10:30	Hand and wrist joint	Dr. Aymelek Yalın
10:40-11:30	Anatomy LAB: Hand and wrist joint	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün

11:40-12:30	Anatomy LAB: Hand and wrist joint	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	STUDY TIME	
14:40-15:30	Muscle physiology in exercise	Dr. Özgür Kasımay
15:40-16:30	Muscle physiology in exercise	Dr. Özgür Kasımay
16:40-17:30	STUDY TIME	
Friday	March 4	
08:40-09:30	Physiology LAB: Aerobic exercise	Dr. Özgür Kasımay, Dr. Alper Yıldırım
09:40-10:30	Physiology LAB: Aerobic exercise	Dr. Özgür Kasımay, Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: Aerobic exercise	Dr. Özgür Kasımay, Dr. Alper Yıldırım
11:40-12:30	Physiology LAB: Aerobic exercise	Dr. Özgür Kasımay, Dr. Alper Yıldırım
13:40-14:30	Physiology LAB: EMG	Dr. Özgür Kasımay, Dr. Alper Yıldırım
14:40-15:30	Physiology LAB: EMG	Dr. Özgür Kasımay, Dr. Alper Yıldırım
15:40-16:30	Physiology LAB: EMG	Dr. Özgür Kasımay, Dr. Alper Yıldırım
16:40-17:30	STUDY TIME	
2nd WEEK (07-11 March, 2016)		
Monday	March 07	
08:40-09:30	STUDY TIME	
09:40-10:30	Cartilage	Dr. Feriha Ercan
10:40-11:30	Histology of bone and joint	Dr. Feriha Ercan
11:40-12:30	Histology of bone and joint	Dr. Feriha Ercan
13:40-14:30	Development of musculoskeletal system	Dr. Feriha Ercan
14:40-15:30	Development of musculoskeletal system	Dr. Feriha Ercan
15:40-16:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
16:40-17:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
Tuesday	March 8	
08:40-09:30	STUDY TIME	
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
11:40-12:30	Parasitic infections of skin	Dr. Arzu Akşit İlki
13:40-14:30	Mycobacterial and bacterial infections of skin, soft tissue and muscle including anthrax	Dr. Arzu Akşit İlki
14:40-15:30	Mycobacterial and bacterial infections of skin, soft tissue and muscle including anthrax	Dr. Arzu Akşit İlki

15:40-16:30	Microbiology LAB: Laboratory diagnosis of skin infections	Dr. Arzu Akşit İlki, Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Laboratory diagnosis of skin infections	Dr. Arzu Akşit İlki, Dr. Mümtaz Güran
Wednesday	March 9	
08:40-09:30	Axillary region	Dr. Ümit Şehirli
09:40-10:30	Brachial plexus	Dr. Ümit Şehirli
10:40-11:30	Brachial plexus	Dr. Ümit Şehirli
11:40-12:30	Anatomy LAB: Brachial plexus and axillary region	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: Brachial plexus and axillary region	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	Anterior aspect of forearm and cubital fossa	Dr. Ümit Şehirli
15:40-16:30	Anterior aspect of forearm and cubital fossa	Dr. Ümit Şehirli
16:40-17:30	STUDY TIME	
Thursday	March 10	
08:40-09:30	Posterior aspect of the forearm and the elbow joint	Dr. Ümit Şehirli
09:40-10:30	Posterior aspect of the forearm and the elbow joint	Dr. Ümit Şehirli
10:40-11:30	Anatomy LAB: Anterior aspect of forearm and cubital fossa	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Anterior aspect of forearm and cubital fossa	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: Posterior aspect of forearm and the elbow joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Posterior aspect of forearm and the elbow joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16:30	Gluteal region and hip region; hip joint	Dr. Ümit Şehirli
16:40-17:30	Gluteal region and hip region; hip joint	Dr. Ümit Şehirli
Friday	March 11	
08:40-09:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
3rd WEEK (14-19 March, 2016)		
Monday	March 14	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to statics of the body	Dr. Pınar Mega Tiber

10:40-11:30	Introduction to statics of the body	Dr. Pınar Mega Tiber
11:40-12:30	Equilibrium of the body	Dr. Pınar Mega Tiber
13:40-14:30	Physical principles of X - ray radiography	Dr. Pınar Mega Tiber
14:40-15:30	Physical principles of X - ray radiography	Dr. Pınar Mega Tiber
15:40-16:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
16:40-17:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
Tuesday	March 15	
08:40-09:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	Viral infections of cutaneous and subcutaneous tissues	Dr. Güner Söyledir
11:40-12:30	Viral infections of cutaneous and subcutaneous tissues	Dr. Güner Söyledir
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	March 16	
08:40-09:30	Posterior aspect of thigh and knee joint	Dr. Ümit Şehirli
09:40-10:30	Anatomy Lab: Gluteal region and hip region; hip joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy Lab: Gluteal region and hip region; hip joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anterior and lateral leg and ankle joint	Dr. Ümit Şehirli
13:40-14:30	Anatomy LAB: Posterior aspect of thigh and knee joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Posterior aspect of thigh and knee joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16:30	Anterior and lateral leg and ankle joint	Dr. Ümit Şehirli
16:40-17:30	Posterior leg and popliteal fossa	Dr. Ümit Şehirli
Thursday	March 17	
08:40-09:30	Anatomy LAB: Posterior leg and popliteal fossa	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Posterior leg and popliteal fossa	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Anterior and lateral leg and ankle joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Anterior and lateral leg and ankle joint	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Histology of skeletal muscle	Dr. Serap Şırvancı
14:40-15:30	Histology of skeletal muscle	Dr. Serap Şırvancı
15:40-16:30	Integumentary system	Dr. Serap Şırvancı
16:40-17:30	Development of integumentary system	Dr. Serap Şırvancı

Friday	March 18	
08:40-09:30	Fungal infections of cutaneous and subcutaneous tissues	Dr. Nilgün Çerikçioğlu
09:40-10:30	Development of head and neck (pharyngeal apparatus)	Dr. Serap Şirvancı
10:40-11:30	Development of head and neck (pharyngeal apparatus)	Dr. Serap Şirvancı
11:40-12:30	Histology LAB: Integumentary system	Dr. Serap Şirvancı
13:40-14:30	Histology LAB: Cartilage, bone and skeletal muscle	Dr. Serap Şirvancı
14:40-15:30	Histology LAB: Cartilage, bone and skeletal muscle	Dr. Serap Şirvancı
15:40-16:30	Histology LAB: Cartilage, bone and skeletal muscle	Dr. Serap Şirvancı
16:40-17:30	STUDY TIME	
4th WEEK (21-25 March, 2016)		
Monday	March 21	
08:40-09:30	STUDY TIME	
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
11:40-12:30	Radiology of musculoskeletal system	Dr. Onur Buğdaycı
13:40-14:30	Radiology of musculoskeletal system	Dr. Onur Buğdaycı
14:40-15:30	Biophysics of muscle contraction	Dr. Ayşe Garip
15:40-16:30	EMG	Dr. Ayşe Garip
16:40-17:30	Bioenergetics of muscle contraction	Dr. Hülya Cabadak
Tuesday	March 22	
08:40-09:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	Public health consequences of disasters	Dr. Emel Lüleci
11:40-12:30	Prevention of disability in the elderly people	Dr. Emel Lüleci
13:40-14:30	Prevention of disability in the elderly people	Dr. Emel Lüleci
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	March 23	
08:40-09:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
13:40-14:30	Control of musculoskeletal disorders	Dr. Dilşad Save
14:40-15:30	Child safety	Dr. Dilşad Save
15:40-16:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi

16:40-17:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
Thursday	March 24	
08:40-09:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-2-3: Panel	Dr. Serap Çifçili
14:40-15:30	ICS-2-3: Panel	Dr. Serap Çifçili
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	March 25	
08:40-09:30	ICS-2: CSLab Exam	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-2: CSLab Exam	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-2: CSLab Exam	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-2: CSLab Exam	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-2: CSLab Exam	Dr. Serap Çifçili
14:40-15:30	ICS-2: CSLab Exam	Dr. Serap Çifçili
15:40-16-30	ICS-2: CSLab Exam	Dr. Serap Çifçili
16:40-17:30	ICS-2: CSLab Exam	Dr. Serap Çifçili
5th WEEK (28 March-01 April, 2016)		
Monday	March 28	
08:40-09:30	Posterior abdominal wall, lumbar and sacral plexus	Dr. Aymelek Yalın
09:40-10:30	Posterior abdominal wall, lumbar and sacral plexus	Dr. Aymelek Yalın
10:40-11:30	Anterior and medial aspect of thigh	Dr. Aymelek Yalın
11:40-12:30	Anterior and medial aspect of thigh	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: Posterior abdominal wall, lumbar and sacral plexus	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Posterior abdominal wall, lumbar and sacral plexus	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
15:40-16-30	Lower extremity bones	Dr. Aymelek Yalın
16:40-17:30	Lower extremity bones	Dr. Aymelek Yalın
Tuesday	March 29	
08:40-09:30	Foot	Dr. Aymelek Yalın
09:40-10:30	Foot	Dr. Aymelek Yalın
10:40-11:30	Anatomy LAB: Anterior and medial aspect of thigh	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün

11:40-12:30	Anatomy LAB: Anterior and medial aspect of thigh	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: Lower extremity bones	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	March 30	
08:40-09:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-2: Polyclinics Visits	Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-2: Report writing about the polyclinics visit experience	Dr. Berfu Çerçi Öngün
14:40-15:30	ICS-2: Report writing about the polyclinics visit experience	Dr. Berfu Çerçi Öngün
15:40-16-30	Suboccipital region and deep muscles of the back	Dr. Aymelek Yalın
16:40-17:30	Superficial structures of the face	Dr. Aymelek Yalın
Thursday	March 31	
08:40-09:30	Superficial structures of the face	Dr. Aymelek Yalın
09:40-10:30	Anatomy LAB: Foot	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Foot	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Suboccipital region and deep muscles of the back	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Assessment of musculoskeletal system in children	Dr. Önder Kayhan
14:40-15:30	Osteoarthritis	Dr. Önder Kayhan
15:40-16-30	Osteoporosis	Dr. Önder Kayhan
16:40-17:30	Soft tissue pain	Dr. Önder Kayhan
Friday	April 01	
08:40-09:30	Anatomy LAB: Suboccipital region and deep muscles of the back	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Superficial structures of the face	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Superficial structures of the face	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Spondyloarthropathies	Dr. Haner Direskeneli
13:40-14:30	Approach to patient with arthritis	Dr. Haner Direskeneli
14:40-15:30	Approach to patient with arthritis	Dr. Haner Direskeneli
15:40-16-30	PBL-Module-1	Dr. Aymelek Yalın, Dr. Kerem Terali, Dr. Mümtaz Güran, Dr. Ayşe Ülgen

16:40-17:30	PBL-Module-1	Dr. Aymelek Yalın, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
6th WEEK (04-08 April, 2016)		
Monday	April 04	
08:40-09:30	Sports injuries (upper extremity)	Dr. Murat Bezer
09:40-10:30	Sports injuries (lower extremity)	Dr. Murat Bezer
10:40-11:30	Osteomyelitis and septic arthtitis	Dr. Murat Bezer
11:40-12:30	STUDY TIME	
13:40-14:30	Clinical Pharmacology of non-steroidal anti-inflammatory Drugs	Dr. Kemal Berkman
14:40-15:30	Clinical Pharmacology of non-steroidal anti-inflammatory Drugs	Dr. Kemal Berkman
15:40-16-30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
16:40-17:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
Tuesday	April 05	
08:40-09:30	STUDY TIME	
09:40-10:30	Molecular pathogenesis of musculoskeletal disorders	Dr. Ahmet Arman
10:40-11:30	Pediatric lower extremity deformities	Dr. Bülent Erol
11:40-12:30	Musculoskeletal tumors (general principles)	Dr. Bülent Erol
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	April 06	
08:40-09:30	STUDY TIME	
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
11:40-12:30	Rheumatoid arthritis	Dr. Tuncay Duruöz
13:40-14:30	Spondyloarthropathies	Dr. Tuncay Duruöz
14:40-15:30	Low back pain	Dr. Tuncay Duruöz
		Dr. Tuncay Duruöz, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
15:40-16-30	PBL-Module-2	Dr. Tuncay Duruöz, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
16:40-17:30	PBL-Module-2	Dr. Tuncay Duruöz, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
Thursday	April 07	
08:40-09:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi

10:40-11:30	Pharmacotherapy of arthritis and gout arthritis	Dr. Rezzan Gühan
11:40-12:30	Pharmacotherapy of arthritis and gout arthritis	Dr. Rezzan Gühan
13:40-14:30	Rational pharmacotherapy in elderly	Dr. Rezzan Gühan
14:40-15:30	Prophylaxis and pharmacotherapy of osteoporosis	Dr. Rezzan Gühan
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	April 8	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Injury Prevention	Dr. Sibel Sakarya
11:40-12:30	Prevention of work - related musculoskeletal disorders	Dr. Sibel Sakarya
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	PBL-Module-3	Dr. Sibel Sakarya, Dr. Kerem Terali, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
16:40-17:30	PBL-Module-3	Dr. Sibel Sakarya, Dr. Kerem Terali, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
7th WEEK (11-15 April, 2016)		
Monday	April 11	
08:40-09:30	ICS-2: HIM-Social Concepts	Dr. İnci User
09:40-10:30	ICS-2: HIM-Social Concepts	Dr. İnci User
10:40-11:30	ICS-2: HIM-Social Concepts	Dr. İnci User
11:40-12:30	ICS-2: HIM-Social Concepts	Dr. İnci User
13:40-14:30	ICS-2: HIM-Social Concepts	Dr. İnci User
14:40-15:30	ICS-2: HIM-Social Concepts	Dr. İnci User
15:40-16-30	ICS-2: HIM-Social Concepts	Dr. İnci User
16:40-17:30	ICS-2: HIM-Social Concepts	Dr. İnci User
Tuesday	April 12	
08:40-09:30	ICS-2: HIM-Social Concepts	Dr. İnci User
09:40-10:30	ICS-2: HIM-Social Concepts	Dr. İnci User
10:40-11:30	ICS-2: HIM-Social Concepts	Dr. İnci User
11:40-12:30	ICS-2: HIM-Social Concepts	Dr. İnci User
13:40-14:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
14:40-15:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
15:40-16-30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
16:40-17:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman

Wednesday	April 13	
08:40-09:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
09:40-10:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
10:40-11:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
11:40-12:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
13:40-14:30	STUDY TIME	
14:40-15:30	A patient with multiple bruises and pain (Case discussion)	Dr. Pemra Ünalan
15:40-16:30	PBL-Module-4	Dr. Pemra Ünalan, Dr. Kerem Terali, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
16:40-17:30	PBL-Module-4	Dr. Pemra Ünalan, Dr. Kerem Terali, Dr. Mümtaz Güran, Dr. Ayşe Ülgen
Thursday	April 14	
08:40-09:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
09:40-10:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
10:40-11:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
11:40-12:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman
13:40-14:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
14:40-15:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
15:40-16:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
16:40-17:30		
Friday	April 15	
08:40-09:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
09:40-10:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
10:40-11:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
11:40-12:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
13:40-14:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
14:40-15:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
15:40-16:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
16:40-17:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey

8th WEEK (18-22 April, 2016)

Monday	April 18	
08:40-09:30	Bone remodeling, development and developmental abnormalities and fracture healing	Dr. Kemal Türköz
09:40-10:30	Neoplastic disease of bone and joint	Dr. Kemal Türköz
10:40-11:30	ICS-2: SRA –Review of the researchs and abstract writing	Free Study Time for Groups
11:40-12:30	ICS-2: SRA –Review of the researchs and abstract writing	Free Study Time for Groups
13:40-14:30	Soft tissue tumors	Dr. Kemal Türköz

14:40-15:30	Soft tissue tumors	Dr. Kemal Türköz
15:40-16:30	Neoplastic and non-neoplastic skin lesions	Dr. Deniz Filinte
16:40-17:30	Neoplastic and non-neoplastic skin lesions	Dr. Deniz Filinte
Tuesday	April 19	
08:40-09:30	Pathology LAB: Pathology of musculoskeletal system	Dr. Kemal Türköz
09:40-10:30	Pathology LAB: Pathology of musculoskeletal system	Dr. Kemal Türköz
10:40-11:30	Infectious disease of the bone and joint	Dr. Kemal Türköz
11:40-12:30	Pathology of arthritis	Dr. Kemal Türköz
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	April 20	
08:40-09:30	ICS-2: Polyclinics Visits	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-2: Polyclinics Visits	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-2: Polyclinics Visits	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-2: Polyclinics Visits	Dr. Serap Çifçili, Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-2: SRA –Review of the researchs and abstract writing	
14:40-15:30	ICS-2: SRA –Review of the researchs and abstract writing	
15:40-16:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
16:40-17:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
Thursday	April 21	
08:40-09:30	Anterior and lateral neck	Dr. Ümit Şehirli
09:40-10:30	Anterior and lateral neck	Dr. Ümit Şehirli
10:40-11:30	Anatomy LAB: Anterior and lateral neck	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anterior and lateral neck	Dr. Ümit Şehirli
	Anatomy LAB: Anterior and lateral neck	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: Anterior and lateral neck	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	STUDY TIME	
15:40-16:30	The root of the neck	Dr. Ümit Şehirli
16:40-17:30	The root of the neck	Dr. Ümit Şehirli
Friday	April 22	
08:40-09:30	Infratemporal and pterygopalatine fossa	Dr. Ümit Şehirli
09:40-10:30	Infratemporal and pterygopalatine fossa	Dr. Ümit Şehirli

10:40-11:30	Anatomy LAB: The root of the neck	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: The root of the neck	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: Infratemporal and pterygopalatine fossa	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Infratemporal and pterygopalatine fossa	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16-30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
16:40-17:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
9th WEEK (25-29 April, 2016)		
Monday	April 25	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	April 26	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	April 27	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	

Thursday	April 28	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	April 29	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
10th WEEK (02-06 May, 2016)		
Monday	May 02	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Tuesday	May 03	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		

16:40-17:30		
Wednesday	May 04	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	May 05	
08:40-09:30	THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		