



**RESPIRATORY SYSTEM AND RELATED DISORDERS
YEAR 2 COURSE 5
May 07th, 2018 – June 29th, 2018**

Year 2 Coordinators

Assoc. Prof., Özgür Kasımay ÇAKIR & Assist. Prof., Burak AKSU & Dr. Masoud AFSHANI

Module Coordinators

Assoc. Prof., Özlem SARIKAYA & Assist. Prof., H. Eren SAKALLI

**Introduction to Clinician Skills (ICS)
Coordinators**

Assoc. Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGIN

Coordinators of Clinical Skill Lab.

Assoc. Prof., Pemra ÜNALAN & Inst., Berfu Çerçi ÖNGÜN

Coordinators of ICS Res. Lab.

Prof., Sibel SAKARYA & Assist. Prof., İlke Çetin Akçay

Coordinators of Multidisciplinary Students' Lab.

Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN

Coordinators of Assessment Unite

Asisst. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN & Assist. Prof., Mevhibe HOCAOĞLU & Assist. Prof., H. Eren SAKALLI

Vice-Chief Coordinators

Assessment

Asisst. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN

Students' Affairs

Asisst. Prof., Can ERZİK & Assist. Prof., İlke AKÇAY

Chief Coordinators

Assoc. Prof., Hasan YANANLI & Assist. Prof., Mümtaz GÜRAN

**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., Hakan GÜNDÜZ

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

RESPIRATORY SYSTEM 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 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.

Learning Objectives: At the end of this committee, second year students will,

- review the development and histology of the respiratory system
- describe the mechanism of breathing and identify the movement, solubility and transport of gas molecules
- understand the factors impairing the normal function of the respiratory system and their pathological reflections on the occurrence of the disease
- gain knowledge about microorganisms that affect the respiratory system and respiratory tract infections
- gain knowledge about the risk groups, risk factors related to pulmonary diseases and preventive measures
- gain knowledge about the major signs and symptoms of the pulmonary diseases
- gain knowledge about the approach to diagnosis, and principles of treatment in pulmonary diseases
- comprehend the hazards of smoking
- define the pharmacotherapy of pulmonary diseases
- 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-2.5

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| <ul style="list-style-type: none"> • Anatomy • Biochemistry • Biophysics • Family Medicine • Histology and Embryology • Infectious Diseases • Medical Genetics • Microbiology | <ul style="list-style-type: none"> • Nuclear Medicine • Otorhinolaryngology • Pathology • Pediatrics • Pharmacology • Physiology • Public Health • Pulmonary Medicine • Radiology |
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LECTURERS / TUTORS

Ahmet TOPUZOĞLU, Assoc. Professor of Public Health Alper YILDIRIM, Assoc. Professor of Physiology Aymelek YALIN, Professor of Anatomy Ayşegül KARAHASAN, Professor of Microbiology Berfu Çerçi ÖNGÜN, Instructor of Anatomy Berrak YEĞEN, Professor of Physiology Berrin CEYHAN, Professor of Pulmonary Medicine Bülent KARADAĞ, Professor of Pediatrics Bülent SEZGİN, Assist. Prof. of Internal Medicine Cemal GÜRKAN, Instructor of Forensic Sciences Çiğdem APAYDIN, Assoc. Prof. Family Medicine Çiğdem ÇELİKEL, Professor of Pathology	İnci ALİCAN, Professor of Physiology Leyla Cinel, Professor of Pathology Masoud AFSHANI, Instructor of Histology & Embryology Mümtaz GÜRAN, Assist. Professor of Microbiology Nahide GÖKÇORA, Professor of Nuclear Medicine Nevber İSTİLLOZLU, Instructor of School of Foreign Languages and Preparatory School Nurtane KARAGİL, Instructor of Arts and Crafts Onur BUĞDAYCI, Assist. Professor of Radiology Önder ŞIRIKÇI, Professor of Medical Biochemistry Özge Cumaoğulları Eker, Instructor of Medical Research Özgür KASIMAY, Assoc. Professor of Physiology Pemra ÜNALAN, Professor of Family Medicine
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Dilek AKAKIN, Assoc. Professor of Histology & Embryology

Duygu GENÇALP, Instructor of Medical Biochemistry

Elif DAĞLI, Professor of Pediatrics

Emel ERYÜKSEL, Assoc. Professor of Pulmonary Medicine

Emine BOZKURLAR, Assist. Professor of Pathology

Emine Özerinç, Instructor of Turkish Language

Eren Sakallı, Assist.

Güner SÖYLELİR, Professor of Microbiology

Hasan Toper, Assist. Professor of Pathology

Hülya CABADAK, Assoc. Professor of Biophysics

İlke Çetin Akçay, Assist. Professor of Biostatistics

İlter GÜNEY, Assist. Professor of Medical Genetics

Pınar Mega TİBER, Assist. Professor of Biophysics

Rezzan GÜLHAN, Professor of Pharmacology

Sait KARAKURT, Professor of Pulmonary Medicine

Selçuk İNANLI, Professor of Otorhinolaryngology

Serap ÇİFÇİLİ, Assoc. Prof. Family Medicine

Şehnaz OLGUN, Assist. Professor of Pulmonary Medicine

Turgay ÇELİKEL, Professor of Pulmonary Medicine

Ufuk HASDEMİR, Professor of Microbiology

Umut Altunç, Instructor of Pediatrics

Ümit ŞEHİRLİ, Professor of Anatomy

Volkan KORTEN, Professor of Infectious Diseases

Zafer GÖREN, Professor of Pharmacology

READING / STUDYING MATERIALS

- Medical Microbiology; Patrick R. Murray, Michael A. Pfaller, Ken S. Rosenthal.
- Jawetz, Melnick, and Adelberg's Medical Microbiology (Lange Basic Science).
- <http://www.meddean.luc.edu/lumen/meded/medicine/Allergy/Asthma/asthtoc.html>
- <http://www.nlm.nih.gov/medlineplus/asthma.html>
- Medical Physics physiological measurement BH Broson and RH Smalleroad Scientific Americans 205(1) 56-64.
- Nettle CIBA collection vol 6 section VIII.
- Physics for the Health Sciences. Nave and B. Nave.
- Principles of Physical Chemistry with Applications to the Biological Sciences, D. Freifelder.
- Physics with Illustrative Examples from Medicine and Biology Benedek and Villars.
- Physics, Health and the Human Body Gustafson
- Biochemistry, L. Stryer
- Guyton & Hall, Textbook of Medical Physiology
- GINA (Global Initiative for Asthma).
- Kumar V, Abbas AK, Fausto N, Aster (Eds.): Robbins & Cotran Pathologic basis of disease, 8th Ed.

SUMMARY OF THE COURSE 2.5			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	12	7	26
Biochemistry	2		2
Biophysics	6		6
Family Medicine	3		3
Histology & Embryology	5	1	6
Infectious Diseases	4		4
Medical Genetics	2		2
Microbiology	5	2	7
Nuclear Medicine	1		1
Otorhinolaryngology	3		3
Pathology	14	4	18
Pediatrics	4		4
Pharmacology	7		7
Physiology	9	5	14
Public Health	3		3
Pulmonary Medicine	24		24
Radiology	2		2
Subtotal	106	19	132
PBL Module	6		6
ICS-2: Oral and Poster presentations, Preparation for Student Congress, Respiratory System Physical Examination	14	6	20
Communication in Turkish-II (Foreign Students)	24		24
Communication in Turkish-II (Interactive session for Foreign Students)	17		17
Elective Course-II MDCN181 MDCN182 MDCN184	14		14
TOTAL	181	25	206

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st WEEK (07 May – 11 May, 2018)		
Monday	May 07	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	May 08	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to the course of Breath and Respiration in Medicine	Dr. Masoud Afshani
10:40-11:30	Communication in Turkish-II (Interactive session)	
11:40-12:30	Communication in Turkish-II (Interactive session)	
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
Wednesday	May 09	
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	ICS-2 Comp & SRA: Poster Preparation and Report Writing	Dr. İlke Çetin Akçay, Dr. Özge Cumaoğulları Eker
13:40-14:30	The respiratory system: conducting airways	Dr. Dilek Akakın

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14:40-15:30	The respiratory system: respiratory airways	Dr. Dilek Akakın
15:40-16:30	The respiratory system: respiratory airways	Dr. Dilek Akakın
16:40-17:30	STUDY TIME	
Thursday	May 10	
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	Development of the respiratory system	Dr. Dilek Akakın
14:40-15:30	Development of the respiratory system	Dr. Dilek Akakın
15:40-16:30	Histology LAB: The respiratory system Group A	Dr. Dilek Akakın-Dr. Masoud Afshani
16:40-17:30	Histology LAB: The respiratory system Group B	Dr. Dilek Akakın-Dr. Masoud Afshani
Friday	May 11	
08:40-09:30	MASCO 2018	
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		
2nd Week (14 May-18 May, 2018)		
Monday	May 14	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	

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16:40-17:30	STUDY TIME	
Tuesday	May 15	
08:40-09:30	The nose, associated structures and paranasal sinuses	Dr. Ümit Şehirli
09:40-10:30	The nose, associated structures and paranasal sinuses	Dr. Ümit Şehirli
10:40-11:30	The pharynx	Dr. Ümit Şehirli
11:40-12:30	The larynx	Dr. Ümit Şehirli
13:40-14:30	Anatomy LAB: The nose, associated structures and paranasal sinuses	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
14:40-15:30	Anatomy LAB: The nose, associated structures and paranasal sinuses	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
15:40-16:30	Anatomy LAB: The pharynx	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
16:40-17:30	Anatomy LAB: The pharynx	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
Wednesday	May 16	
08:40-09:30	The larynx	Dr. Ümit Şehirli
09:40-10:30	The diaphragm	Dr. Ümit Şehirli
10:40-11:30	The trachea and the lungs	Dr. Aymelek Yalın
11:40-12:30	The trachea and the lungs	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: The larynx	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
14:40-15:30	Anatomy LAB: The larynx	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
15:40-16:30	Anatomy LAB: The diaphragm	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
16:40-17:30	Anatomy LAB: The diaphragm	Dr. Ümit Şehirli, Dr. Berfu Çerçi Ongun
Thursday	May 17	
08:40-09:30	The thoracic wall	Dr. Aymelek Yalın
09:40-10:30	The thoracic wall	Dr. Aymelek Yalın
10:40-11:30	The mediastinum	Dr. Aymelek Yalın
11:40-12:30	The ideal gas law, gas mixtures	Dr. Pınar Mega Tiber
13:40-14:30	The ideal gas law, gas mixtures	Dr. Pınar Mega Tiber
14:40-15:30	Effects of increased lung pressure	Dr. Pınar Mega Tiber
15:40-16:30	Biophysics of ventilation	Dr. Pınar Mega Tiber
16:40-17:30	Principles of gas exchange	Dr. Pınar Mega Tiber
Friday	May 18	
08:40-09:30	The mediastinum	Dr. Aymelek Yalın

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09:40-10:30	Anatomy LAB: The trachea and the lungs	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: The trachea and the lungs	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: The thoracic wall	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: The thoracic wall	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: The mediastinum	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: The mediastinum	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
16:40-17:30	Parameters of gas exchange in lungs and lung imaging	Dr. Hülya Cabadak

3rd Week (21May-25 May, 2018)

Monday	May 21	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	May 22	
08:40-09:30	Alveolar ventilation	Dr. Berrak Yegen
09:40-10:30	Alveolar ventilation	Dr. Berrak Yegen
10:40-11:30	Transport of blood gases	Dr. Berrak Yegen
11:40-12:30	Transport of blood gases	Dr. Berrak Yegen
13:40-14:30	Diffusion of gases	Dr. Özgür Kasımay Çakır
14:40-15:30	Influenza and common cold	Dr. Güner Söyledir
15:40-16:30	Microbiological approach to respiratory tract infections	Dr. Güner Söyledir
16:40-17:30	STUDY TIME	
Wednesday	May 23	

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08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to autonomic nervous system pharmacology	Dr. Zafer Gören
10:40-11:30	Agents affecting sympathetic nervous system	Dr. Zafer Gören
11:40-12:30	Agents affecting parasympathetic nervous system	Dr. Zafer Gören
13:40-14:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
14:40-15:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
15:40-16:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
16:40-17:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
Thursday	May 24	
08:40-09:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
13:40-14:30	Physiology of deep sea diving, aviation, space and high altitude	Dr. Yaşar İnci Alican
14:40-15:30	Regulation of respiration	Dr. Yaşar İnci Alican
15:40-16:30	Regulation of respiration	Dr. Yaşar İnci Alican
16:40-17:30	Buffering function of the lungs	Dr. Alper Yıldırım
Friday	May 25	
08:40-09:30	Physiology LAB: Pulmonary function 1 & 2	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
09:40-10:30	Physiology LAB: Pulmonary function 1 & 2	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: Pulmonary function 1 & 2	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
11:40-12:30	Physiology LAB: Pulmonary function 1 & 2	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
13:40-14:30	Physiology LAB: Pulmonary function 1 & 2	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
14:40-15:30	Radiological examination of the chest	Dr. Onur Buğdaycı
15:40-16:30	Radiological examination of the chest	Dr. Onur Buğdaycı
16:40-17:30	STUDY TIME	
4th Week (28 May–01 June, 2018)		
Monday	May 28	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu

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11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	May 29	
08:40-09:30	Epidemiology of airborne diseases	Dr. Dilşad Save
09:40-10:30	Environmental and occupational causes of lung diseases	Dr. Ahmet Topuzoğlu
10:40-11:30	Air pollution and its adverse effects on health	Dr. Ahmet Topuzoğlu
11:40-12:30	Control of tuberculosis in primary care	Dr. Ahmet Topuzoğlu
13:40-14:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
14:40-15:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
15:40-16:30	Communication in Turkish-II	Inst. Nevber İstillozlu
16:40-17:30	Communication in Turkish-II	Inst. Nevber İstillozlu
Wednesday	May 30	
08:40-09:30	Buffer systems	Dr. Önder Şirikçi
09:40-10:30	Buffer systems	Dr. Önder Şirikçi
10:40-11:30	Genetics of pulmonary disorders	Dr. İlder Güney
11:40-12:30	Molecular mechanisms in lung cancer	Dr. İlder Güney
13:40-14:30	Otitis media and complications	Dr. Selçuk İnanlı
14:40-15:30	Paranasal sinus diseases	Dr. Selçuk İnanlı
15:40-16:30	Larynx and oropharyngeal diseases	Dr. Selçuk İnanlı
16:40-17:30	STUDY TIME	
Thursday	May 31	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Respiratory infections due to mycobacteria and related bacteria	Dr. Ufuk Hasdemir
11:40-12:30	Respiratory infections due to mycobacteria and related bacteria	Dr. Ufuk Hasdemir
13:40-14:30	Diseases of upper airways	Dr. Leyla Cinel
14:40-15:30	Diseases of upper airways	Dr. Leyla Cinel

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15:40-16:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
16:40-17:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
Friday	June 01	
08:40-09:30	Y1C4 THEORETHICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Signs and symptoms in pulmonary diseases	Dr. Şehnaz Olgun
14:40-15:30	Signs and symptoms in pulmonary diseases	Dr. Şehnaz Olgun
15:40-16:30	Principles of physical examination and signs in pulmonary diseases	Dr. Şehnaz Olgun
16:40-17:30	Principles of physical examination and signs in pulmonary diseases	Dr. Şehnaz Olgun
5th Week (04 June – 08 June, 2018)		
Monday	June 04	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	June 05	
08:40-09:30	Rational use of antibiotics in respiratory diseases	Dr. Volkan Korten
09:40-10:30	Lower respiratory tract infections	Dr. Volkan Korten
10:40-11:30	Spirometry workshop	Dr. Berrin Ceyhan
11:40-12:30	Pleural diseases	Dr. Berrin Ceyhan
13:40-14:30	Pneumonia	Dr. Volkan Korten
14:40-15:30	Pneumonia	Dr. Volkan Korten
15:40-16:30	Restrictive lung diseases	Dr. Berrin Ceyhan
16:40-17:30	Sarcoidosis	Dr. Berrin Ceyhan

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Wednesday	June 06	
08:40-09:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish-II (Interactive session)	Inst. Emine Özerinç
11:40-12:30	Ventilation - perfusion scintigraphy	Dr. Nahide Gökçora
13:40-14:30	Pharmacotherapy in tuberculosis	Dr. Zafer Gören
14:40-15:30	Rational pharmacotherapy in respiratory tract infections and cough	Dr. Zafer Gören
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	June 07	
08:40-09:30	Pathology of chronic obstructive pulmonary diseases	Dr. Çiğdem Çelikel
09:40-10:30	Pathology of chronic obstructive pulmonary diseases	Dr. Çiğdem Çelikel
10:40-11:30	Chronic obstructive lung diseases	Dr. Turgay Çelikel
11:40-12:30	Chronic obstructive lung diseases	Dr. Turgay Çelikel
13:40-14:30	Approach to adult patient with persistent cough	Dr. Pemra Ünalın
14:40-15:30	Upper respiratory tract infections	Dr. Ayşegül Karahasan
15:40-16:30	Microbiology LAB: Lab diagnosis of respiratory tract infections	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Lab diagnosis of respiratory tract infections	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
Friday	June 08	
08:40-09:30	STUDY TIME	
09:40-10:30	Pathology of pulmonary circulation	Dr. Çiğdem Çelikel
10:40-11:30	Diffuse interstitial lung diseases	Dr. Çiğdem Çelikel
11:40-12:30	Occupational / Environmental Lung Diseases	Dr. Çiğdem Çelikel
13:40-14:30	Respiratory failure	Dr. Turgay Çelikel
14:40-15:30	Pulmonary thromboembolism	Dr. Turgay Çelikel
15:40-16:30	Lung cancer	Dr. Turgay Çelikel
16:40-17:30	Case (RESPIRATORY DISEASES)	Dr. Turgay Çelikel
6th Week (11 June - 15 June, 2018)		
Monday	June 11	
08:40-09:30	PBL-Module 1	Dr. Elif Dağlı, Dr. Bülent Karadağ
09:40-10:30	PBL-Module 1	Dr. Elif Dağlı, Dr. Bülent Karadağ

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10:40-11:30	PBL-Module 1	Dr. Elif Dağlı, Dr. Bülent Karadağ
11:40-12:30	PBL-Module 1	Dr. Elif Dağlı, Dr. Bülent Karadağ
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	June 12	
08:40-09:30	Effects of tobacco on human health	Dr. Elif Dağlı
09:40-10:30	Childhood tuberculosis	Dr. Elif Dağlı
10:40-11:30	Bronchial hyperreactivity and asthma	Dr. Bülent Karadağ
11:40-12:30	Bronchial hyperreactivity and asthma	Dr. Bülent Karadağ
13:40-14:30	PBL-Module 2	Dr. Elif Dağlı, Dr. Bülent Karadağ
14:40-15:30	PBL-Module 2	Dr. Elif Dağlı, Dr. Bülent Karadağ
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	June 13	
08:40-09:30	ICS-2: Respiratory System Physical Examination	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Ongun Dr. Hasan Toper Dr. Eren Sakallı Dr. Umut Altunç
09:40-10:30	ICS-2: Respiratory System Physical Examination	
10:40-11:30	ICS-2: Respiratory System Physical Examination	
11:40-12:30	ICS-2: Respiratory System Physical Examination	
13:40-14:30	ICS-2: Respiratory System Physical Examination	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Ongun Dr. Hasan Toper Dr. Eren Sakallı Dr. Umut Altunç
14:40-15:30	ICS-2: Respiratory System Physical Examination	
15:40-16:30	ICS-2: Respiratory System Physical Examination	
16:40-17:30	ICS-2: Respiratory System Physical Examination	
Thursday	June 14	
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	HOLIDAY	
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	June 15	
08:40-09:30	HOLIDAY	
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		
7th Week (18 June – 22 June, 2017)		
Monday	June 18	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	June 19	
08:40-09:30	STUDY TIME	
09:40-10:30	Arterial blood gas analysis	Dr. Emel Eryüksel
10:40-11:30	Pulmonary Tuberculosis	Dr. Emel Eryüksel
11:40-12:30	Pulmonary Tuberculosis	Dr. Emel Eryüksel

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13:40-14:30	Patient education in chronic diseases: asthma as an example	Dr. Serap Çifçili
14:40-15:30	Occupational asthma	Dr. Emel Eryüksel
15:40-16:30	Diseases of mediastinum and diaphragm	Dr. Emel Eryüksel
16:40-17:30	STUDY TIME	
Wednesday	June 20	
08:40-09:30	Oxygen and nebulization therapy; mechanical ventilation	Dr. Sait Karakurt
09:40-10:30	A patient with cough and fever	Dr. Sait Karakurt
10:40-11:30	Pharmacotherapy of obstructive lung diseases and bronchial asthma	Dr. Rezzan Gülhan
11:40-12:30	Pharmacotherapy of obstructive lung diseases and bronchial asthma	Dr. Rezzan Gülhan
13:40-14:30	Sleep apnea syndrome	Dr. Sait Karakurt
14:40-15:30	Clinical applications of pulmonary function tests	Dr. Sait Karakurt
15:40-16:30	Clinical applications of pulmonary function tests	Dr. Sait Karakurt
16:40-17:30	STUDY TIME	
Thursday	June 21	
08:40-09:30	Neoplastic diseases of the lung	Dr. Emine Bozkurtlar
09:40-10:30	Neoplastic diseases of the lung	Dr. Emine Bozkurtlar
10:40-11:30	Tumors of pleura and mediastinum	Dr. Emine Bozkurtlar
11:40-12:30	Counseling for risky behaviors and counseling in adolescents: Smoking	Dr. Çiğdem Apaydın
13:40-14:30	Pathology LAB: Neoplastic Diseases of Respiratory Tract, Pleura, and Mediastinum	Dr. Emine Bozkurtlar, Dr. Hasan Toper
14:40-15:30	Pathology LAB: Neoplastic Diseases of Respiratory Tract, Pleura, and Mediastinum	Dr. Emine Bozkurtlar, Dr. Hasan Toper
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	June 22	
08:40-09:30	Pulmonary Tuberculosis	Dr. Emine Bozkurtlar
09:40-10:30	Pulmonary Tuberculosis	Dr. Emine Bozkurtlar
10:40-11:30	Viral and fungal diseases of the lung	Dr. Emine Bozkurtlar
11:40-12:30	Bacterial pneumonias and lung abscess	Dr. Emine Bozkurtlar
13:40-14:30	Pathology LAB: Non-neoplastic Diseases of Respiratory Tract-II	Dr. Emine Bozkurtlar, Dr. Hasan Toper
14:40-15:30	Pathology LAB: Non-neoplastic Diseases of Respiratory Tract-I	Dr. Emine Bozkurtlar, Dr. Hasan Toper
15:40-16:30	STUDY TIME	

16:40-17:30	STUDY TIME	
8th Week (25 June – 29 June, 2018)		
Monday	June 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	June 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	June 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	28 June	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		

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13:40-14:30		
14:40-15:30		
15:40-16-30		
16:40-17:30		
Friday	29 June	
08:40-09:30		
09:40-10:30	Y2C5 THEORITICAL EXAM 09:30 A.M.	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16-30		
16:40-17:30		