

BIRUNI ENGLISH MEDICAL SCHOOL ACADEMIC PROGRAM BOOK

| ENGLISH MEDICAL SCHOOL PHASE I (2022-2023) | | | | | | |
|--|--|-----|-----------|------------|------------|------------|
| Code | Course Title | C/E | ECTS | T | P | TOTAL |
| EMS100 | Phase I Committee Courses (Integrated) | C | 48 | | | |
| EMS101 | Introduction to Medical Education | C | 6 | 35 | 24 | 59 |
| EMS102 | Medical Sciences I | C | 10 | 89 | 31 | 110 |
| EMS103 | Medical Sciences II | C | 10 | 119 | 19 | 37 |
| EMS104 | Medical Sciences III | C | 10 | 75 | 36 | 111 |
| EMS105 | Medical Sciences IV | C | 12 | 90 | 24 | 114 |
| RES100 | Medical Research - I (spring) | C | 2 | 28 | 0 | 28 |
| CAR003 | Career Planning (spring) | C | 2 | 28 | 0 | 28 |
| GER101 | German I | C | 2 | 28 | 0 | 28 |
| GER102 | German II | C | 2 | 28 | 0 | 28 |
| | Elective Courses | E | 4 | 28 | 0 | 28 |
| BIR313 | Principles of Health Nutrition | E | | | | |
| BIR303 | Leadership | E | | | | |
| BIR305 | Critical Thinking | E | | | | |
| BIR317 | Time Management and Planning | E | | | | |
| BIR301 | Communication Skills | E | | | | |
| | TOTAL | | 60 | 548 | 134 | 682 |

PHASE I

AIM

Students will gain an appreciation of the role of a futuristic physician with a system based educational approach incorporating clinical and basic sciences, encouraging them to meet patients and start learning medical terminology from the first day.

LEARNING OBJECTIVES

At the end of phase I, the students will be able to;

1. **explain** the basic terms and concepts of medical informatics and biostatistics, medical biology and genetics, medical history and ethics, medical biochemistry, anatomy, biophysics, medical pharmacology, physiology, histology and embryology, medical pathology and medical microbiology.
2. **appraise** and **recognize** the holistic approach of a futuristic physician by combining their knowledge in medical education and medical humanities.
3. **apply** the basic clinical skills in simulated environments and real clinical settings.
4. **demonstrate** the communication skills required to be a competent physician and **practice** the history taking and patient- doctor interview.
5. **define** the basic and clinical aspects of musculoskeletal system and **apply** their knowledge in musculoskeletal system while observing relevant clinical cases.
6. **define** the basic steps of a research study.
7. **analyze** the clinical cases in problem-based learning sessions and demonstrate the skills on problem solving and critical thinking, **practice** USMLE questions.
8. **demonstrate** the skills in teamwork and evidence-based research and **develop** the self-discipline that will help them to learn independently.

Skills

The students will be able to;

1. Demonstrate basic communication skills and professional skills in Introduction to Clinical Practice (ICP) courses in the simulated environment and on models ,
2. Take a detailed anamnesis
3. Apply effective communication techniques in patient-doctor interview.
4. Define and apply the basic information about first aid.
5. Will be able to use basic diagnostic devices like Light microscope etc.
6. Will be able to apply the basic skills like hygienic hand washing, working with biological materials, wearing sterile gloves , intramuscular injection, etc.
7. Will be able to find and distinguish the locations of bones, muscles, etc. on models and cadavers.

Attitudes

The students will be able to;

1. Cooperate with colleagues and work in teams,
2. Internalize the idea that medicine is a respectable and honorable profession,
3. Be aware of the basic duties of the physician and take responsibility.
4. Comprehend features such as problem solving, motivation, self-learning and independent learning with PBL sessions.

GRADUATE COMPETENCIES - PROGRAM OUTCOMES

1. Healthcare Provider
2. Applicator of Professional and Professional Principles
3. Health Advocate
4. Leader
5. Team member
6. Communicator
7. Demonstrator of a Scientific and Analytical Approach
8. Life-long Learner

Contribution of the learning outcomes of the course to the learning outcomes of the program

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| LO1 | 3 | 5 | 5 | 1 | 2 | 2 | 3 | 4 |
| LO2 | 3 | 2 | 4 | 1 | 2 | 2 | 5 | 5 |
| LO3 | 3 | 5 | 1 | 1 | 2 | 2 | 5 | 4 |
| LO4 | 3 | 5 | 4 | 2 | 3 | 2 | 5 | 4 |
| LO5 | 3 | 3 | 3 | 1 | 3 | 2 | 5 | 5 |
| LO6 | 3 | 3 | 3 | 1 | 3 | 2 | 5 | 5 |
| LO7 | 4 | 5 | 4 | 1 | 4 | 3 | 5 | 5 |
| LO8 | 3 | 4 | 5 | 3 | 2 | 2 | 4 | 5 |

1.1 INTRODUCTION TO MEDICAL EDUCATION COMMITTEE

AIM

- To assimilate the history of medicine and to follow the development in the process.
- To identify and define medical terms.
- To gain knowledge about the scientific foundations of medicine.
- To demonstrate basic communication skills

Learning Objectives

At the end of this committee, the student will be able to;

1. develop the habit of retrospective thinking by recognizing the historical aspect of medicine.
2. define the basic terminological concepts related to medicine.
3. work collaboratively with other healthcare professionals.
4. comprehend the basic principles of human behavior.
5. communicate clearly both verbally and in writing.
6. gain the sensitivity of being the future doctor leaders.

Contribution of the learning outcomes of the course to the learning outcomes of the program

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| LO1 | 3 | 5 | 4 | 3 | 5 | 2 | 4 | 5 |
| LO2 | 1 | 5 | 2 | 1 | 1 | 1 | 5 | 4 |
| LO3 | 3 | 1 | 3 | 5 | 5 | 5 | 2 | 2 |
| LO4 | 5 | 4 | 3 | 4 | 4 | 4 | 1 | 2 |
| LO5 | 2 | 2 | 3 | 4 | 3 | 5 | 2 | 2 |
| LO6 | 5 | 4 | 5 | 5 | 4 | 3 | 4 | 5 |

| COMMITTEE I - PHASE I | | | | |
|--|---|-----------|-----------|-----------|
| LECTURES | FACULTY | THEO. | PRAC. | TOTAL |
| MEDICAL EDUCATION | TUMAY SADIKOGLU, MD, Assist. Prof. | 4 | 0 | 4 |
| INTRODUCTION TO PATHOLOGY | DILEK SEMA ARICI MD, Prof. / DUYGU DUSMEZ APA MD, Prof. | 1 | 0 | 1 |
| MEDICAL TERMINOLOGY | AHMET SINAV, MD, Prof. | 4 | 0 | 4 |
| INTRODUCTION TO BIOCHEMISTRY | AHMET BELCE, PhD, Prof. | 1 | 0 | 1 |
| MEDICAL HISTORY | NİL SARI, PhD, Prof. | 10 | 0 | 10 |
| INTRODUCTION TO MICROBIOLOGY | M. DERYA AYDIN, MD, Prof. / YAĞMUR EKENOĞLU MERDAN, PhD, ASSIST. PROF. | 1 | 0 | 1 |
| INTRODUCTION TO ANATOMY | AHMET SINAV, MD, Prof. | 1 | 0 | 1 |
| INTRODUCTION TO PHYSIOLOGY | SINEM ETHEMOGLU, PhD, Assist. Prof. | 1 | 0 | 1 |
| INTRODUCTION TO CLINICAL PRACTICE | TUMAY SADIKOGLU, MD, Assist. Prof. | 4 | 8 | 12 |
| INTRODUCTION TO PHARMACOLOGY | ATILA KARAALP MD, Prof. | 1 | 0 | 1 |
| INTRODUCTION TO MEDICAL BIOLOGY AND GENETICS | GUVEN YENMIS, PhD, Assist. Prof. | 1 | 0 | 1 |
| BEHAVIORAL SCIENCES | SENA YENEL, MD, Assist. Prof. | 4 | 0 | 4 |
| OSCE | TUMAY SADIKOGLU, MD, Assist. Prof. | 0 | 16 | 16 |
| COMMUNICATION SKILLS | SENA YENEL, MD, Assist. Prof. | 2 | 0 | 2 |
| TOTAL | | 35 | 24 | 59 |

CLASSROOM: R403

**COMMITTEE I INTRODUCTION TO MEDICAL EDUCATION (EMS 101)
WEEK-I**

| Oct 3. -7, 2022 | 03.10.2022 MONDAY | 04.10.2022 TUESDAY | 05.10.2022 WEDNESDAY | 06.10.2022 THURSDAY | 07.10.2022 FRIDAY |
|-----------------|--|--|---|------------------------|----------------------|
| 08:30-09:15 | OPENING CEREMONY REYHAN BUILDING CONFERENCE HALL | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 9:25-10:10 | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 10:20-11:05 | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 11:15-12:00 | | INDEPENDENT LEARNING | LIBRARY ORIENTATION R403 | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| LUNCH BREAK | | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK |
| 13:00-13:45 | ORIENTATION TUMAY SADIKOGLU R403 | MEDICAL HISTORY THE MEDICAL PRACTITIONER IN HISTORY NIL SARI | MEDICAL EDUCATION Basic principles and teaching models in medical education TUMAY SADIKOGLU | INDEPENDENT LEARNING | |
| 13:55-14:40 | | MEDICAL HISTORY PHILOSOPHICAL BASES OF MEDICINE NIL SARI | INTRODUCTION TO ANATOMY AHMET SINAV | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 14:50-15:35 | INDEPENDENT LEARNING | MEDICAL TERMINOLOGY AHMET SINAV | MEDICAL HISTORY OVERVIEW OF HUMAN ANATOMY IN HISTORY NIL SARI | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 15:45-16:30 | INDEPENDENT LEARNING | MEDICAL TERMINOLOGY AHMET SINAV | MEDICAL HISTORY OVERVIEW OF THE FUNCTION OF ORGANS IN HISTORY | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 16:40-17:25 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |

**COMMITTEE I INTRODUCTION TO MEDICAL EDUCATION (EMS 101)
WEEK-II**

| Oct. 10-14, 2022 | 10.10.2022 MONDAY | 11.10.2022 TUESDAY | 12.10.2022 WEDNESDAY | 13.10.2022 THURSDAY | 14.10.2022 FRIDAY |
|------------------|---|--|--|------------------------|---|
| 08:30-09:15 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 9:25-10:10 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 10:20-11:05 | INTRODUCTION TO PHYSIOLOGY SINEM ETHEMOGLU | MEDICAL TERMINOLOGY AHMET SINAV | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 11:15-12:00 | INTRODUCTION TO PHARMACOLOGY ATILA KARAALP | MEDICAL TERMINOLOGY AHMET SINAV | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK |
| 13:00-13:45 | MEDICAL HISTORY ETIOLOGY OF DISEASE AND METHODS USED IN DIAGNOSIS BEFORE THE SCIENTIFIC ERA NIL SARI | INTRODUCTION TO MEDICAL BIOLOGY AND GENETICS GUVEN YENMIS | BEHAVIORAL SCIENCES Introduction to Behavioral Sciences SENA YENEL ONLINE | INDEPENDENT LEARNING | |
| 13:55-14:40 | MEDICAL HISTORY AMPIRICAL METHODS OF TREATMENT NIL SARI | ICP Patient-doctor interview and taking medical history TUMAY SADIKOGLU | BEHAVIORAL SCIENCES Introduction to Behavioral Sciences SENA YENEL ONLINE | INDEPENDENT LEARNING | BEHAVIORAL SCIENCES Perception, emotion, and cognitive functions SENA YENEL ONLINE |
| 14:50-15:35 | INDEPENDENT LEARNING | ICP Patient-doctor interview and taking medical history TUMAY SADIKOGLU | INDEPENDENT LEARNING | INDEPENDENT LEARNING | BEHAVIORAL SCIENCES Memory and Learning SENA YENEL ONLINE |
| 15:45-16:30 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | ONLINE LANGUAGE COURSE (GERMAN) |
| 16:40-17:25 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | ONLINE LANGUAGE COURSE (GERMAN) |

| COMMITTEE I INTRODUCTION TO MEDICAL EDUCATION (EMS 101) WEEK-III | | | | | |
|---|----------------------|--|---|--|------------------------------------|
| Oct. 17-21, 2022 | 17.10.2022 MONDAY | 18.10.2022 TUESDAY | 19.10.2022 WEDNESDAY | 20.10.2022 THURSDAY | 21.10.2022 FRIDAY |
| 08:30-09:15 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 9:25-10:10 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING |
| 10:20-11:05 | INDEPENDENT LEARNING | MEDICAL HISTORY STRUGGLE AGAINST INFECTIOUS EPIDEMIC DISEASES IN HISTORY NIL SARI | INDEPENDENT LEARNING | MEDICAL HISTORY DEVELOPMENT OF SURGICAL TOOLS AND OPERATIONS NIL SARI | INDEPENDENT LEARNING |
| 11:15-12:00 | INDEPENDENT LEARNING | MEDICAL HISTORY DEVELOPMENT OF MEDICAL MEASUREMENT AND INSTRUMENTS NIL SARI | INDEPENDENT LEARNING | MEDICAL HISTORY MEDICAL EXPERIMENTATION AND EVOLUTION OF EVIDENCE BASED MEDICINE NIL SARI | INDEPENDENT LEARNING |
| LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK | LUNCH BREAK |
| 13:00-13:45 | INDEPENDENT LEARNING | ICP Patient-doctor interview and taking medical history (2) - (video) TUMAY SADIKOGLU | COMMUNICATION SKILLS What is communication SENA YENEL ONLINE | MEDICAL EDUCATION How to study Medicine? TUMAY SADIKOGLU PHASE I-II-III | |
| 13:55-14:40 | INDEPENDENT LEARNING | ICP Patient-doctor interview and taking medical history (2) - (video) TUMAY SADIKOGLU | COMMUNICATION SKILLS Empathy SENA YENEL ONLINE | MEDICAL EDUCATION How to study Medicine? TUMAY SADIKOGLU PHASE I-II-III | INDEPENDENT LEARNING |
| 14:50-15:35 | INDEPENDENT LEARNING | INTRODUCTION TO BIOCHEMISTRY AHMET BELCE | INDEPENDENT LEARNING | MICROBIOLOGY Introduction to Microbiology M.DERYA AYDIN | INDEPENDENT LEARNING |
| 15:45-16:30 | INDEPENDENT LEARNING | INTRODUCTION TO PATHOLOGY DILEK SEMA ARICI / DUYGU APA | INDEPENDENT LEARNING | INDEPENDENT LEARNING | ONLINE LANGUAGE COURSE (GERMAN) |
| 16:40-17:25 | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | ONLINE LANGUAGE COURSE (GERMAN) |

| COMMITTEE I INTRODUCTION TO MEDICAL EDUCATION (EMS 101) WEEK-IV | | | | | |
|--|--------------------------|--------------------------|-------------------------|------------------------|-------------------------------|
| Oct. 24-28, 2022 | 24.10.2022 MONDAY | 25.10.2022 TUESDAY | 26.10.2022 WEDNESDAY | 27.10.2022 THURSDAY | 28.10.2022 FRIDAY |
| 08:30-09:15 | OSCE EXAM HISTORY TAKING | OSCE EXAM HISTORY TAKING | INDEPENDENT LEARNING | INDEPENDENT LEARNING | COMMITTEE EXAM TIME: 10 am |
| 9:25-10:10 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |
| 10:20-11:05 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |
| 11:15-12:00 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |
| LUNCH BREAK | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | NATIONAL DAY |
| 13:00-13:45 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |
| 13:55-14:40 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |
| 14:50-15:35 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |
| 15:45-16:30 | | | INDEPENDENT LEARNING | INDEPENDENT LEARNING | |