

Name of the module: Basic Anatomy

Number of module: 471-8-1016

BGU Credits: 2.5

ECTS credits

Academic year: 1st year

Semester: 2nd semester

Hours of instruction:

Lectures: 24 hours

Laboratories: 6 hours

Location of instruction: Lecture classes in the Faculty Buildings and Dissection Room

Language of instruction:

Hebrew

Attendance at lectures/laboratories:

Obligatory

Cycle: B.Med.Sc

Position: The module is basic and obligatory for the 1st year students in the School of Medicine.

Field of Education: Medicine, Basic Sciences

Responsible department: Physiology and Cell Biology

General prerequisites: None.

Grading scale: Successful passing of the MCQ exam with a score of 65 or higher

Course Description: Course topics begin with an introduction of anatomical terminology. Students then are introduced to the gross anatomy of the following systems: nervous, respiratory, cardiovascular, digestive, urinary, reproductive and locomotory. Lecture meets one time a week. The laboratory component of the course reinforces lecture concepts through human cadaver demonstrations. Students attend three 3 hour laboratories during the course.

Aims of the module: This course aims to present a systemic approach to the study of the human body.

Objectives of the module:

1. To make students familiar with medical terminology, in general, and with names/functions of anatomical structures, in particular.
2. To provide basic knowledge and concepts in Human Anatomy that will help students to succeed in major basic courses studied during the 1st year – Histology and Physiology.
3. To provide a basis for the forthcoming Regional Anatomy courses.

Learning outcomes of the module: On successful completion of the course, the student will be able to:

1. Recognize basic anatomy of body systems
2. Recognize and have basic knowledge about how anatomical systems work together
3. Evaluate information and form conclusions related to data about body parts

Attendance regulation: Students attendance at lectures and laboratories is controlled by teachers and teaching assistants, respectively

Teaching arrangement and method of instruction: Frontal lectures (Teachers) and Demonstrations Laboratories (Teaching assistants).

Lecturer: Daniel Fishman

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Office hours: Sunday 8:00-10:00.

Module evaluation: at the end of the semester the students will evaluate the module, in order to draw conclusions, and for the university's internal needs.

Confirmation: the syllabus was confirmed by the faculty academic advisory committee to be valid on 2012

Last update: 2015

Assessment:

Students will be assessed in the module only by passing an exam with a score of 65 or higher.

Work and assignments: All students should attend lectures and laboratories. It is expected that students will read relevant topics (available from hi-learn and recommended literature) before their attendance the lectures and laboratories.

Time required for individual work: in addition to attendance in class, the students are expected to do their assignment and individual work:
At least 1- 1.5 hours/week

Module Content\ schedule and outlines:

Frontal lectures:

1. Introduction to Anatomy. Medical and Anatomical Terminology – 1 lecture (2 hours)
2. Nerve system: central and peripheral. Brains. Spinal cord. Peripheral nerves. Autonomous nerve system – 2 lectures (2 hours each)
3. Respiratory system. Upper (nasal cavity, pharynx, larynx) and lower (trachea, main bronchi) airways. Lungs and pleura. Mechanism of respiration – 2 lectures (2 hours each)
4. Cardiovascular system. Heart and pericardium. Main blood vessels in systemic and pulmonary circulation -2 lectures (2 hours each).
5. Digestive system. Gastrointestinal tract (oesophagus, stomach, small intestine, large intestine) and accessory glands (liver, pancreas) – 1 lecture (2 hours). 8
6. Genitourinary system. Kidneys, ureters, urinary bladder, urethrae. Genitalia in males (testes, epididimes, prostate, seminal vesicles, penis) and females (ovaria, uterus, vagina) – 2 lectures (2 hours each)
7. Locomotor system. Bones and joints. Axial skeleton and appendages. Skeletal muscles – 2 lecture (2 hours each)

Demonstration laboratories in Dissection room:

1. Cardiovascular and Respiratory systems
2. Digestive and Genitourinary systems
3. Nervous system and Locomotory system

Required reading:

1. K.T. Patton, G.A. Thibodeau. Anatomy and Physiology (Thibodeau); 6th edition

Additional literature:

1. V.C. Skanlon, T. Sanders. Essentials of Anatomy and Physiology

*** All learning material will be available to the students on the module's website (high-learn)/ library/ electronic documents available to BGU students.**

