Name of the module: Respirology 3rd year Medicine

Number of module 471-8-3022

BGU Credits: 4.5

ECTS credits

Academic year: 3rd year medicine

Semester: first semester, 20/1/2013-

15/02/2013

Hours of instruction: 8:15am

4:00pm

Lectures 115 hours

Laboratory 6 hours

Clinical discussions 13 hours

Location of instruction: Daily lectures will take place in the Deichmann Building for Health Professions.

Specific classroom numbers are indicated in the schedule.

Language of instruction: Lectures will be given in Hebrew.

Cycle: B.Med.Sc

Position: Obligatory module intended for 3rd year medical students, as part of their preclinical teaching.

Field of Education: Respirology.

Responsible department: Institution of

Pulmonology, Soroka University

Medical Center.

higher.

General prerequisites: Students should complete successfully the following modules (given in prior 2 years medicine): Basic pathology, Molecular Biology, Medical Biochemistry, Medical Physiology. Grading scale: Successful passing of multiple-choice questions examination with a score of 65 or

Course Description:

Aims of the module: The goal of the Respirology module is to introduce and teach basic principles and practice in respirology.

Objectives of the module: Objectives are to enable students to classify and to have basic understanding of the process of breathing - oxygenation and ventilation, pulmonary clinical and pathological disorders, and to incorporate laboratory findings into clinical problem solving.

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

- 1. Describe normal physiology of the respiratory system breathing, ventilation, diffusion and blood flow and correlate these to relevant laboratory tests used to evaluate respiratory disorders.
- Classify lung disorders (infectious, oncologic and inflammatory) and compare clinical presentation features of each category.
- Use clinical laboratory and radiological diagnostic testing to develop a differential diagnosis of pulmonary disorders.
- 4. Classify types of respiratory failure and be able to interpret blood gases values in the clinical decision making of mechanical ventilation.
- Interpret pulmonary function tests.
- Apply knowledge in pulmonary physiology in the interpretation of combined cardiac and respiratory exercise tests.
- Distinguish between restrictive and obstructive pulmonary diseases and apply appropriate therapy to each.

Attendance regulation: Attendance to the oral lectures is not obligatory. Participation in the PBLs, Clinical discussions and Labs is obligatory.

Teaching arrangement and method of instruction: Instruction in the module is based on frontal oral lectures, clinical discussions and histo-pathological labs. Computer based lab will also be used.

Senior Lecturer: Dr. Nimrod Maimon

Contact details:

Cell 050-6260553

Email: nimrod@bgu.ac.il

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: 2012 (academic year)

Last update: 12/2012

Assessment:

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

<u>Work and assignments</u>: Students are required to take active part in the meetings, clinical discussions computer and histo-pathological labs.

Time required for individual work:

Due to the method of modules in 3^{rd} year – students are required to study and review the lectures at home.

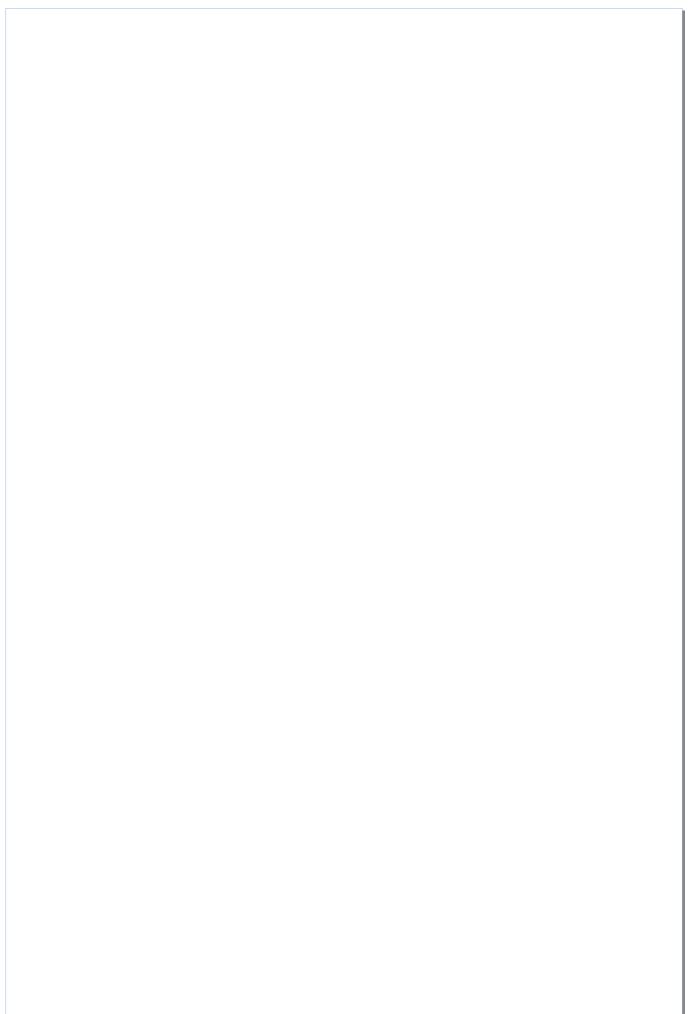
Roughly 30 minutes per an hour lecture.

<u>Module Content\</u> schedule and outlines: the content and structure of the module, including detailed subjects, and their order.

<u>Required reading</u>: Students are expected to read the lectures as presented as ppt presentations.

Additional literature: Bibliography of the module is based on Essential of Pulmonary Physiology, 8th Edition, and Harrison's Principles of Internal Medicine 18th Edition (p 448-482, 844-988)

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



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