Faculty of Health Sciences

Name of the module: Cardiology 3rd year Medicine

Number of module 471-8-3021

BGU Credits: 8.5

ECTS credits:

Academic year: 3rd year medicine

Semester:

Hours of instruction:

Lectures: 100 hours

Laboratory: 6 hours

Exercises (ecg): 16 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: Cardiology

Responsible department: Institution of Cardiology, Soroka University Medical Center.

General prerequisites: Students should complete successfully the following modules (given in prior 2 years medicine): Basic pathology, Molecular Biology, Medical Biochemistry, Medical Physiology, Pharmacology.

Grading scale: Successful passing of multiple-choice questions examination with a score of 65 or higher.

Course Description:

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

Objectives of the module: Objectives are to teach students the major cardiovascular disorders including pathology, physiology, pharmacology and clinical manifestations

Learning outcomes of the module: On successful completion of the course, the student should:
1. Recognize normal cardiovascular physiology.
2. Define the major classes of drugs used in cardiovascular medicine, including their pharmacologic properties and clinical use.
3. Recognize and have basic knowledge in the major congenital cardiac pathologies, including shunts.
4. Discuss the pathophysiology, clinical manifestations and management of atherosclerosis and coronary artery disease, both chronic and acute.
5. Discuss the patholphysiology, manifestations and management of heart failure.
6. Recognize the cellular basis, pathophysiology, diagnosis and management of common arrhythmias..
7. Discuss the classification and manifestations of the major cardiomyopathies.
8. Describe the main imaging modalities used in cardiology.

Attendance regulation: Attendance to the oral lectures is not obligatory. Participation in ECG exercises and Labs is obligatory.

Teaching arrangement and method of instruction: Instruction in the module is based on frontal oral lectures, ECG exercises and labs.

<u>Lecturer name</u>: Prof. Doron Zahger

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

<u>Confirmation</u>: 2012 (academic year)

<u>Last update</u>: 10/2013

<u>Assessment</u>:

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 ECG exercises and labs.
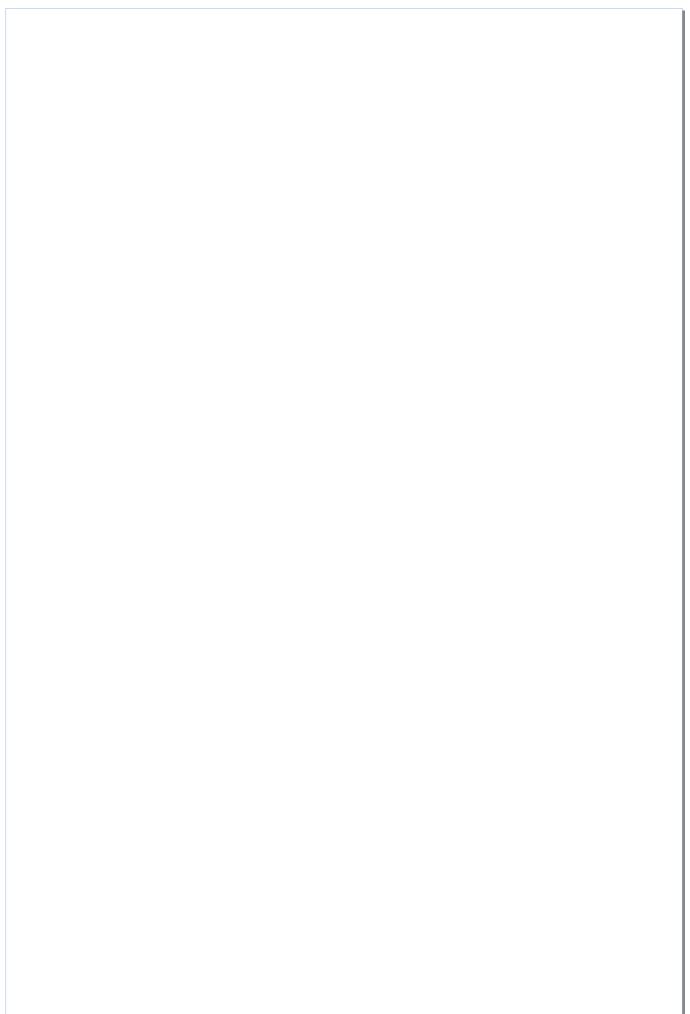
<u>Time required for individual work</u>: in addition to attendance in class, the students are expected to do their assignment and individual work about four hours/day.

<u>Module Content\ schedule and outlines</u>: 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.

<u>Additional literature</u>: Bibliography of the module is based on Harrison's Principles of Internal Medicine 18th Edition (p: 64, 1797-2082)

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