Name of the module: Principles of Medical Informatics and Health Managements

Number of module: 4718-6053

BGU Credits: 2

ECTS credits:

Academic year: Sixth year

Semester: Fall (first) semester

Hours of instruction: four consecutive whole days (32 hours)

Location of instruction: Faculty of Health Sciences classrooms

Language of instruction: Hebrew.

Cycle: MD.

Position: Attending this course requires an understanding of clinical work, therefore it is offered following initial clerkships.

Field of Education: Medical Informatics, Healthcare administration.

Responsible department: health management department personnel.

General prerequisites: Successful completion of clerkship in internal medicine.

Grading scale: pass/fail, based on attendance, participation and a MCQ test

Course Description:

Aims of the module: To present principles of healthcare system administration and clinical informatics.

Objectives of the module: Teach general principles of the Israeli healthcare system, health economics and medical information systems, as they apply to a young physician in the first few years in training

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

1. To understand the principles upon which the Israeli healthcare system operates
2. To understand basic health economics principles
3. To use and evaluate clinical decision support systems
4. To understand basic tenets of medical informatics, such as standards, electronic medical records, population based informatics and others

Attendance regulation: 80% attendance and active participation is required

Teaching arrangement and method of instruction: Lectures and presentations, the course relies on BGU CMS (Moodle) for material dissemination.

Lecturer: Prof. Dan Greenberg, Dr. Shlomi Codish

Contact details

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Office hours: Following coordination with office

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 2013 (academic year)

Last update: 11.2015

Assessment:

How the students will be assessed in the module

1. Attendance and participation   required
2. Exam   100%

                          _____

                          100%

Work and assignments: Exam on last day of course

Time required for individual work: in addition to attendance in class, the students are expected to do their assignment and individual work:

Students are expected to read material provided on the course web site after class hours.

Module Content\ schedule and outlines: Introduction to Medical Informatics, Quality assessment in Healthcare, Standards in medical informatics, information security, use of clinical knowledge resources, patient centered informatics, clinical decision support systems, principles of health economics, structure of the Israeli healthcare system, inequalities in health,

Required reading: Up-to-date articles provided during the course

Additional literature: The course textbook (available in medical library) is the latest edition of Shortliffe, E.H. (ed) and Cimino, J.J. (assoc. ed.). Biomedical Informatics: Computer Applications in Health Care and Biomedicine. New York: Springer-Verlag,

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