Syllabus

Introduction to sciences and analytical methods in forensic sciences (chemistry) - 61913

Last update 19-09-2017

HU Credits: 3

Degree/Cycle: 2nd degree (Master)

Responsible Department: criminology

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Abraham (Avi) Domb

Coordinator Email: avid@ekmd.huji.ac.il

Coordinator Office Hours: appointment 054-8820677

Teaching Staff:
Prof Abraham Domb
Course/Module description:
Introductory course to students without exact science background that will allow them understand the methods used in forensic labs and read expert opinions.

Course/Module aims:
The objective of this course is to provide background in chemistry and biology and methods commonly used at forensic labs. The course is composed of 4 chapters:
1. Introduction to general chemistry
2. Introduction of organic chemistry
3. Analytical methods commonly used in forensic labs, including chromatography and spectral analysis.
4. Analysis of drugs, explosives,

Learning outcomes - On successful completion of this module, students should be able to:
Familiarize scientific methods commonly used in forensic labs and be able to read forensic expert opinions

Attendance requirements(%):
50

Teaching arrangement and method of instruction: lectures using PP presentation. A few chapters will be requested to read prior to certain lectures.

Course/Module Content:
The course is divided in 4 chapters as listed above in the Objectives section. The course contains 13 classes of 90 min. After the introductory first class, the next six classes will be devoted to general chemistry (by Mazal Rahamim) followed by six classes on organic chemistry and analytical chemistry.

Required Reading:
to be added to the course website

Additional Reading Material:
to be added to the course website
Course/Module evaluation:
End of year written/oral examination 100 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: