Syllabus

Introduction to sciences and analytical methods - 61913

Last update 23-03-2015

**HU Credits:** 3

**Degree/Cycle:** 2nd degree (Master)

**Responsible Department:** criminology

**Academic year:** 1

**Semester:** 2nd 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. Introduction to biology, DNA
4. Analytical methods commonly used in forensic labs, including chromatography and spectral analysis.

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.
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: