Syllabus

Selected Chapters in Forensic Chemistry - 69164

Last update 11-10-2015

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

 Responsible Department: chemistry

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Prof. Yossi Almog

Coordinator Email: Almog@mail.huji.ac.il

Coordinator Office Hours: By personal appointment

Teaching Staff:
Prof Joseph Almog
**Course/Module description:**

The terms forensic science, criminalistics and expert opinion will be explained; criminal investigations which have been resolved by scientific methods will be presented and discussed; and the concept of proactive forensic science will be demonstrated and discussed.

**Course/Module aims:**

The students will acquire basic understanding of forensic science; recognize the scope and limitations of the application of scientific techniques for resolving crimes; and understand the requirements from the expert witness.

**Learning outcomes - On successful completion of this module, students should be able to:**

Learning outcomes: On successful completion of this module, students should be able to: Recognize some of the basic laws of criminal identification, understand how forensic scientists are using tools such as fingerprints or DNA for human identification and will have basic understanding of analysis of illicit drugs and poisons; in scientific investigation of bomb and arson cases; in forensic ballistics and technical examination of documents and of tool-marks.

**Attendance requirements(%):**

2/3

**Teaching arrangement and method of instruction:** Frontal lecture with Power Point presentation. Homework twice or three times during the course.

**Course/Module Content:**

Selected topics in forensic chemistry

Introduction

Fingerprints

Identification and comparison of biological material (DNA)

Illicit drugs

Explosives
Arson investigation

Questioned documents

Microscopic evidence

Unsolved problems in forensic science

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:

Required Reading:
Criminalistics


Identification of Humans - Fingerprints


Identification of Humans - DNA


Additional Reading Material:

Forensic Science International, the bulletin of the European Academy of Forensic Science.

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: