

CMRJ522

STUDENT WARNING: This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.

Course Summary

Course : CMRJ522 **Title :** Forensics

Length of Course : 8

Prerequisites : N/A **Credit Hours :** 3

Description

Course Description: Students will explore the role of forensic science in the investigation of crime by introducing the non-scientific student to the field. The course will examine the different forensic science disciplines to include pattern evidence, fingerprints, body fluids, firearms, arson, and drug analysis. Scientific methodology as it applies to each forensic discipline will be discussed as well as technological advances making an impact in the field of forensics. The course will include development of case scenarios in order for students to apply critical thinking skills to learning concepts.

Course Scope:

Forensics is an intensive 8-week course examining the role of Forensic Science in the criminal investigation process. Physical evidence normally encountered in criminal investigations will be considered with regard to its evidential value, the current types of scientific analysis available, and the significance and limitations of the scientific results. The history of forensic will also be considered.

Objectives

After successfully completing this course, you will be able to

CO1: Integrate scientific investigation methods related to the discovery, preservation, analysis and admissibility regarding evidence in criminal investigations.

CO2: Critique the techniques and equipment limitations in regards to Forensic Science applications.

CO3: Assess the scope and nature of physical evidence, to include its discovery, preservation, analysis and admissibility.

CO4: Evaluate the limitations that technology and knowledge imposes on the individualization and characterization of physical evidence.

CO5: Predict the usefulness of inductive and deductive reasoning with regard to scientific crime detection.

Outline

Week 1: Introduction to Forensic Science

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 2: Pattern Evidence and Recognition

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 3: Fingerprints and Document Evidence

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 4: Functions of Scientific Equipment

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 5: Toolmark, Firearms, and Body Fluid Evidence.

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 6: DNA Typing, Explosives, and Arson Evidence

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 7: Drug and Trace Materials Evidence

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Week 8: Conclusion of Forensics

Learning Objective(s)

Weekly content will address specific learning objectives for each course. Learning objectives covered each week are specified in the course site.

Reading(s)

Weekly lesson and assigned readings are available in the course site.

Evaluation

Forums

Instructions and grading expectations for all forums will appear in the Forums section of the course site.

Assignment(s)

Instructions and grading expectations for all assignments will appear in the Assignments section of the course site.

Exam(s)

Instructions and grading expectations for all exams will appear in the Tests & Quizzes section of the course site.

Grading:

Name	Grade %
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Materials

Book Title: Various resources from the APUS Library & the Open Web are used. Links provided inside the classroom in the Lessons section.

Author:

Publication Info:

ISBN: N/A

Weekly lessons and assigned readings are available in the course site.

Course Guidelines

University Policies

[Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)
- [Appeals](#)
- [Disability Accommodations](#)

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