

CHEM 273-3
INTRODUCTION TO FORENSIC SCIENCE

Course content and objectives: The objectives of this course are to provide the student with a general overview of forensic science and to furnish an appreciation of the wide scope of the forensic sciences. It will cover forensic chemistry and related specialties, evaluation of crime scenes, forensic science in the laboratory, forensic engineering, cyber technology and forensic science, and legal and ethical issues in forensic science.

<u>Topical outline:</u>	%
Introduction: What a Forensic Scientist Does	2.0
Investigation of Traumatic Deaths.	6.0
Forensic Odontology.	4.6
Forensic Anthropology.	5.3
Forensic Taphonomy.	4.1
Crime Scene Investigation.	6.5
The Forensic Laboratory.	5.0
Microanalysis and Examination of Trace Evidence.	7.1
Fingerprints	5.2
Forensic Footwear Evidence.	5.4
Forensic Tire Impression and Tire Track Evidence	3.6
Firearm and Tool Mark Examinations.	7.0
Questioned Documents	4.6
Analysis of Controlled Substances.	7.5
Basic Fire and Explosion Investigation	5.2
Vehicular Accident Reconstruction.	5.2
Use of Computers in Forensic Science	4.5
Countering Chaos: Logic, Ethics, and the Criminal Justice System.	3.0
Forensic Science and the Law	4.1
Legal Issues in Forensic DNA	4.1
	100.0

Text: **Criminalistics: An Introduction to Forensic Science** 9th edition; Richard Saferstein, Prentice Hall, 2007. ISBN 0-13-221655-8