

## CHEM. 297 Special Topics in Chemistry; Introductions to Applications of Chemistry in Forensic Science

Instructor; Brad P. Bammel Office; SN323, 426-3426, bbammel@boisestate.edu  
Office hours; MW 10:30 – 12:30 Tu 11:30 – 1:30

Text; "Criminalistics; An Introduction to Forensic Science" 8th Ed. Richard Saferstein, Prentice Hall, 2004

This course is intended for students considering career paths available for science majors. An overview of forensic science and an introduction to some of the analytical chemistry used will be covered.

prereq CHEM 301 or CHEM 307

3 credits

spring 06	Class Topic - Activity
Jan 19	Discussion of class goals. Introduction to forensics from "Criminalistics" (Ch's 1 – 3)
Jan 26	Physical Properties (Ch4) and Organic Analysis (Ch5)
Feb 2	Visit ISP crime lab.
Feb 9	Inorganic Analysis (Ch6) Microscope (Ch7) and Fiber (Ch8)
Feb 16	Controlled substances (Ch9)
Feb 23	More on controlled substances
Mar 2	Separations techniques (recrystallization, distillation, TLC, LC, GC)
Mar 9	MS
Mar 16	Lab. GC – MS of OTC drugs
Mar 23	UV –Vis and IR
Mar 30 no class SPRING BREAK	
Apr 6	Lab. HPLC of OTC drugs
Apr 13	AA
Apr 20	Lab. Set up and run the AA (soil analysis?)
Apr 27	Open discussion on topics of our choice.
May 4	Lab. Microscope (If I can barrow microscopes)
May 11	FINALS