

Chaminade - Forensic Biology (FS444)

Fall Evening 2003 - Syllabus

WEEK	Lecture	Reading
10/7 Week 1 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Components of Blood • Blood Evidence 	<ul style="list-style-type: none"> •
10/9 Week 1 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Blood Presumptive Tests • Blood Confirmatory Tests 	<ul style="list-style-type: none"> • Cox, M. "A Study of the Sensitivity and Specificity of Four Presumptive Tests for Blood"
10/14 Week 2 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Basic Immunology • Electrophoresis • Origin 	<ul style="list-style-type: none"> • Hochmeister, M. "Validation Studies of an Immunochromatographic 1-Step Test for the Forensic ID of Human Blood"
10/16 Week 2 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Mendelian Genetics • ABO/Rh 	<ul style="list-style-type: none"> • Spear, T. "The Evaluation of ABACard p30 test for the Identification of Semen"
10/21 Week 3 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Components of Semen • Semen Presumptive Tests • Semen Confirmatory Tests • Other Bodily Fluids 	<ul style="list-style-type: none"> •
10/23 Week 3 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Exam Review 	<ul style="list-style-type: none"> •
10/28 Week 4 Instructor: B. Chua-Chiaco	<ul style="list-style-type: none"> • Serology Exam 	<ul style="list-style-type: none"> •
10/30 Week 4 Instructor: M. Sullivan	<ul style="list-style-type: none"> • Structure of DNA 	<ul style="list-style-type: none"> • Butler, Ch. 2 • Butler, Ch. 3
11/4 Week 5 Instructor: M. Sullivan	<ul style="list-style-type: none"> • Structure of DNA (cont.) 	<ul style="list-style-type: none"> • Butler, Ch. 4
11/6 Week 5 Instructor: M. Sullivan	<ul style="list-style-type: none"> • DNA Extraction/Quantitation • PCR 	<ul style="list-style-type: none"> • Butler, Ch. 7 • Butler, Ch. 14
11/11 Week 6 Instructor: M. Sullivan	<p>VETERAN'S DAY No Class</p>	
11/13 Week 6	<ul style="list-style-type: none"> • Forensic DNA Issues: Contamination, Degradation • Quality Control/Validation 	<ul style="list-style-type: none"> •

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Instructor: M. Sullivan		
11/18 Week 7 Instructor: M. Sullivan	<ul style="list-style-type: none"> • Exam Review 	<ul style="list-style-type: none"> •
11/20 Week 7 Instructor: M. Sullivan	<ul style="list-style-type: none"> • DNA Theory Exam 	<ul style="list-style-type: none"> • Butler, Ch. 5 • Butler, Ch.6
11/25 Week 8 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • DNA Polymorphisms • RFLP • Reverse Dot Blot Testing • D1580 	<ul style="list-style-type: none"> • Butler, Ch. 9 • Butler, Ch. 10 • Butler, Ch. 11 • Butler, Ch. 13
11/27 Week 8 Instructor: C. Matsuoka	<p>THANKSGIVING No Class</p>	<ul style="list-style-type: none"> •
12/2 Week 9 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • STR Theory 	<ul style="list-style-type: none"> •
12/4 Week 9 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • Statistics 	<ul style="list-style-type: none"> •
12/9 Week 10 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • Legal Issues 	<ul style="list-style-type: none"> • Butler, Ch. 8 • Butler Ch. 15
12/11 Week 10 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • Mitochondrial DNA • Future of DNA Technologies 	<ul style="list-style-type: none"> •
12/16 Week 11 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • Exam Review 	<ul style="list-style-type: none"> •
12/18 Week 11 Instructor: C. Matsuoka	<ul style="list-style-type: none"> • Forensic DNA Exam 	<ul style="list-style-type: none"> •

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Grades:

100 pts- Serology

100 pts- DNA Theory

100 pts- Forensic DNA

300 pts- Total (No curve)

Rules of the Classroom:

1. No late assignments will be accepted. Assignments are due at the start of the designated class session.
2. There are NO make-up written exams. If the student has a legitimate excuse (to be assessed by the instructor) an oral exam will be administered by the instructor.
3. The instructors reserve the right to suspend any student for the remainder of the class if they are disrespectful to the instructor or their peers. Derogatory, racial, or sexist remarks will not be tolerated. There will be no make-ups for work missed on that day.