

BPS 101 Criminal Investigation: Scientific Evidence I - Fall 2011

DATE	TIME	SUBJECT	READINGS
9-Sep		Orientation and Overview: Forensic Labs & Lab Safety - Basic Evidence Collection and Processing Photography: Introduction to Camera Equipment, Photography with a SLR Camera, Basic Exposure and Exposure Exercise	Disc: 3I, 5A Rob: Ch-3
16-Sep	A	Photography: Program Modes, Aperture & Shutter Priority (Depth of Field & Metering, ASA/ISO, aperture & shutter speed) -See-Saw Exercise (Motion Exercise) -Quiz on Exposure & Lab Safety	Rob: Ch: 4
	E	Photography: Bracketing, Flash (Manual, Auto & TTL) & Flash Exercise -Quiz on Depth of Field & Motion	Rob: Ch-5
23-Sep	A	Photography: Digital and Video -Quiz on Bracketing and Flash	Rob: Ch-10
	E	TBA	
30-Sep	A	Forensic Biology/Trace Evidence: Introduction to collection and preservation of evidence (Sexual assaults & Rape kits) Labs: Buccal swab, blood collection, Alternate Light Sources	Rob: Ch-7 Gir: Chapters 2 & 13, pgs. 90-100 Handouts
	E	Trace Evidence: Hit & Runs/Accidents and B&Es-Types of evidence Labs: Paint collection, accident photography, toolmark casting	Rob: Ch-6&9 Gir: pgs: 101-103, 112-125 Handouts
7-Oct		Trace Evidence: 2 and 3-Dimensional Impressions (Photography and Collection) Labs: casting, exemplar impressions, photography -Quiz ****PHOTO NOTEBOOK DUE****	Handouts Rob: pgs-258-278
11-Oct		Intro into Forensics: Crime Scene Guidelines: Securing Scene, Search Methods, Chain of Custody, Documentation-photo, video, sketch, notes & report writing -Trace Quiz	Gir: Chapter 1 Rob: Chapter 6
		Fingerprints: History of Identification, Fingerprint Definitions, Uses & Basic Patterns	Disc: 2C Gir: Pgs-134-140
18-Oct		Fingerprints: Magnifiers, Ridge Counting of Loops, Tracing Whorls & Henry System Fingerprints: NCIC & IAFIS Henry Classifications Major Case Prints Recording: -Mock Crime Scene -Quiz	Gir: Pgs-149-150 Disc: 2A Jones: Ch-4
25-Oct		Fingerprints: Mock Crime Scene Presentation Dusting for Prints using Black & Magnetic Powders , Safety, Fuming, Dyes, Introduction to Alternate Light Sources -Mock Crime Scene -Quiz	Gir: Pgs-140-145 Handouts
1-Nov		Fingerprints: Mock Crime Scene Presentation Safety, Iodine, DFO, Ninhydrin, Latent prints on varied substrates -Mock Crime Scene -Quiz	Jones: Ch-5, 6, 7 Gir: Pgs-150-151

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8-Nov	<i>Fingerprints: Mock Crime Scene Presentation</i> Blood prints- Safety, LCV, Hungarian Red Basic comparisons-ACE-V methodology <i>-Mock Crime Scene -Quiz</i>	Jones: Ch-5, 6, 7 Glos. of FP Terms
15-Nov	<i>Fingerprints: Mock Crime Scene Presentation</i> AFIS/Live Scan Goodie Bag <i>-Mock Crime Scene</i>	
25-Nov	*****NO CLASS -Thanksgiving*****	
2-Dec	<i>Legal:</i> Issues pertaining to crime scene search/evidence collection: Special Guest-Attorney General's Office <hr/> <i>Firearms:</i> Lab Analysis, Shooting Reconstruction, Distance Determination, NIBIN, Gunshot Residue Analysis, FA Safety (Clearing of Weapons)	Gir: Chapter 8
9-Dec	****Final Exam/ Mock Scene Presentations/Goodie Bag Evaluations****	

Textbooks:

Crime Scene Photography-Edward M. Robinson

Introduction to Fingerprint Comparison-Gary W. Jones

Criminalistics: Forensic Science, Crime, and Terrorism-James E Girard

Grading:

Weekly Quizzes: 40%

Photo Notebook: 25%

Practical Presentation: 10%

Final Examination: 25%

Snow Policy: The Months of November and December present a challenge to this course due to snow storms. Because missing a class day for this course is equivalent to missing a week's worth of course time, we rarely cancel class. Even if the University announces that it will be closed on a Friday due to weather, we may still hold class if travel is relatively safe. If class is cancelled, you will be notified by e-mail and/or phone calls.

This is a challenging course. Success requires that you attend class regularly, keep pace with the work, understand course concepts, and study effectively. Students are expected to be honest in all academic work. A student's name on any written work, quiz or exam shall be regarded as assurance that the work is the result of the student's own independent thought and study. Students are advised to seek assistance from course instructors or the course director when they are having trouble with concepts and assignments.



