RUTGERS UNIVERSITY Criminal Justice Department

Scientific Applications in Justice Spring Session 306 - 2011

L

Prof. Michael Emanuel

This is the second half of a two-term course designed to present to the non-scientific student the techniques, skills and limitations of the modern crime laboratory.

This term 306, the student is introduced to the material not covered in 305 and in addition will be required to submit a research paper on a significant case in the field of Forensic Science.

Once again the course will demonstrate how the scientific, law enforcement and legal communities must work together if a just and logical conclusion is to be reached. The written research paper will involve teamwork, organization and a formal presentation.

Students, as part of the course requirements, are required to read the Star Ledger daily. Important Forensic Cases and new developments appear on a daily basis. You may be tested on this information.

Required Text:

Safferstein, Richard, <u>Criminalistics</u>, an Introduction to Forensic Science New Jersey: Prentice-Hall Inc., 1987 (10th Edition)

Note: The text is available at the University Book Store. There will also be several class handouts and students are responsible for all materials contained therein as well.

Suggested Readings:

Lifflander, Mathew L., Final Treatment; The file on Dr. X. New York; W.W. Norton & Co., 1978

Goddard, Kenneth W., Crime Scene Investigation, Virginia; Reston Publishing Co., 1977

 $Helpern, Milton - \underline{Autopsy}$

Baden, Michael - Unnatural Deaths, Confessions of a Medical Examiner

Course Requirement

1)	Mid Tenn Exam	50%
2)	Research Paper & Presentation	30%
3)	Case Study Exam	20%

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SUGGESTED CASE

- 1. *DR. X. JASCALAVICH 1976
- 2. Coppolino Late 60's
- 3. *Sam Shepard Cleveland Late 50's
- 4. Lindberg Kidnapping
- 5. J. Kennedy 1963
- Marilyn Monroe
- 7. Natalie Wood
- 8. Jim Jones
- Charles Manson Sharon Tate Helter Skelter
- Trooper Meserlian/ Topolesky
- 11. *Kuklinski (Ice Man)
- Zarinsky

Calandriello - 1975 Trial

- 13. *Treoper Lamonico
- 14. Dr. Sugar
- 15. Bundy
- 16. Marshall/Blind Man
- 17. Hall-Mills
- Dr. Jeffrey MacDonald/Fatal Vision
- 19. O.J. Simpson *Required

OUESTIONS THAT SHOULD BE ADDRESSED IN YOUR PAPER, ALL SOURCES. SHOULD BE FOOTNOTED!

Following questions to be used as a guide:

- 1. Evidence Types · Seized properly?
- 2. Investigation Flawed

Thorough

- 3. Was forensic evidence reliable?
- 4. Was the case prosecuted properly?
- 5. Was the accused defended properly?
- 6 Was the Judge biased?
- 7. Was there undue publicity Press Yellow Journalism?
- 8. Was the verdict just?
- 9. What were the repercussions from the case?

How do they relate to society?

For the people?

Damaging to the people?

Legal standpoint?

Benefits to society?

- A. Case Research Paper must be thorough and properly documented. POINTS WILL BE DEDUCTED IF NOT PROPERLY FOOTNOTED. Cite all sources. Make sure to include a Bibliography.
- B. Oral Presentation must be a minimum of 45 minutes. No more than 60 minutes. Preferably employ entire group use creativity visual aids are encouraged diagrams, slides, video, etc. In the past some groups have done interview formats or dramatic re-enactments, even sartiracle presentations are permissible.

Important that <u>assigned group captains</u> make sure that the <u>entire group is involved</u>. If any group member is absent or does not show for meetings, it is imperative that I know early in the project! These projects, oral and written, <u>are not</u> to be done by 2 or 3 people. You will be graded as a group, there is no excuse except documented sickness. Any individual in a group, not participating <u>will be severely penalized</u> by a reduction in final grade <u>as I</u> deem appropriate. Students are required to read the Star Ledger daily. Articles dealing with Forensics will be discussed and the class will be quizzed.

COURSE OUTLINE

20 Jan.

Thurs.

Thurs. 27 Jan. Chapter 2, Crime Scene pg. 38 - Case Selection 27-50 Thurs. Chapter 3, Physical Evidence pg. 59-81 3 Feb. Thurs. 10 Feb. Chapter 4, Glass/Soil Botanical pg. 93-115 Thurs. 17 Feb. Chapter 17, Firearms/Toolmarks/Impressions, pg. 417-447 Thurs. Chapter 14 & 15 Arson/Explosives, pg, 353-386 24 Feb. Thurs, 3 Mar. Chapter 11, DNA pg. 265-290 Thurs. 10 Mar. EXAM Thurs. 17 Mar. SPRING BREAK

Chapter 1, Introduction, pg. 3-24

Thurs.

1st Presentation 24 Mar. 2nd Presentation

3rd Presentation Thurs. 31 Mar. 4th Presentation

5th Presentation Thurs. 7 Apr. 6th Presentation

7th Presentation Thurs. 14 Apr. 8th Presentation

9th Presentation _____ Thurs. 21 Apr. 10th Presentation

Thurs. 28 Apr.

Thurs. 5 May FINAL

NOTE: This outline is subject to change. THE STUDENT REMAINS RESPONSIBLE FOR THE COURSE CONTENT LISTED IN THE OUTLINE.