

Advanced Techniques in Forensics
ANG 6740

10:40am – 1:40pm on Thursdays
C.A. Pound Human Identification Laboratory
Conference Room

Instructor: Michael Warren
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273-8320

Each class will consist of a lecture on the day's topic; class discussions of research projects; reports on progress of projects; grand rounds when new cases are being examined; one specific lab skill; and one student presentation of a method or technique (including the history of the method, alternative methods, the strengths and weaknesses of the method or technique).

FOR EXAMPLE:

1. Pubic symphyses
2. Auricular surface
3. Cranial sutures
4. Epiphyseal closure
5. Dental aging
6. Craniometrics and Discriminant Function Analysis (DFA)
7. Stature Estimation (Long bone length, fragmentary long bone length, Fully's method).
8. Non-metric sex assessment of pelvis and cranium.
9. Non-metric ancestry assessment
10. Recovery (GPS, Theodolite, mapping)

GRADING

Final grades will be awarded based on participation in class discussions and a paper based on a research project. Class participation will constitute 50% of the grade, and the research paper will count for the remaining 50%. **Week 1/ January 10:** Establish game plan for the course.

Week 2 / January 17: Medicolegal system and the role of the forensic anthropologist; History of the Pound Laboratory; Relationships with consultants. The SWGANTH website.

Week 3 / January 24: Trauma; the nature of trauma, homeostasis, shock mechanisms.

Week 4 / January 31: Trauma; descriptions vs. mechanisms

Week 5 / February 7: GSWs, Knives, Bats, Saws, etc.

Week 6 / February 14: Methods and techniques in human identification.

Week 7 / February 21: No Class; American Academy of Forensic Sciences Meeting.

Week 8 / February 28: Photograph to Photograph superimposition; history and future.

Week 9 / March 7: Spring Break; No Classes

Week 10 / March 14: Project preparation and reports; Grand Rounds

Week 11 / March 21: Society for Applied Anthropology Meeting;

Week 12 / March 28: Trauma Analysis techniques

Week 13 / April 4: Pathology in the skeleton; new research

Week 14 / April 11: American Association of Physical Anthropologists

Week 15 / April 18: Presentations on papers.

Week 16 / April 25: Classes End on the 24th. Final Examination Period May 2 for turning in papers.

Students with letters from the Disability Resource Center should contact Dr. Warren at their earliest

convenience. We will employ a note-taker to record the lectures and PowerPoints will be distributed to students requiring accommodations.

OTHER POLICIES

Plagiarism or cheating in any form is subject to university policy as outlined by the Dean of Students (<http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>).

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Disclaimer: Some Lectures Will Include Disturbing and Graphic Images - Consider Your Reaction Before Taking This Course. You Will Be Responsible for All Course Material