ANATOMY AND BIOLOGY OF THE HUMAN SKELETON

SYLLABUS

ANTHROPOLOGY 366 (31085)  FALL 2011

PROFESSOR: Dr. John Kappelman (jkappelman@mail.utexas.edu)
Office: SAC 5.160, telephone: 471-0055
Office hours: Tu Th 11-12 pm or by appointment

CLASS MEETINGS
Tu and Th: 9:30 – 11.00 am in SAC 5.172

PREREQUISITES
• Anthropology 301 and six semester hours of upper-division coursework in natural or social science, or permission of the instructor.
• Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities, 471-6259.

DESCRIPTION (see the Blackboard course website: click HERE)
This course introduces the student to an in-depth study of the human skeleton. Class sessions combine lecture and laboratory sessions and cover topics including developmental biology, functional morphology, and skeletal identification, with a special focus on the latter skill as it relates to forensics and archaeological studies. Students will also be introduced to new 3D imaging techniques for studying the skeleton.

This class requires both intensive in-class and out-of-class preparation. Participants must be prepared to handle actual human osteological specimens and have a professional approach to the subject and the actual human remains. An interest in human skeletal identification is especially applicable to the fields of archeology, physical anthropology, health sciences, law, and law enforcement.

GRADING REQUIREMENTS
• Laboratory quizzes (there is no final exam): 60%
• Term project case study: 25%
• Class and Lab Participation (attendance counts!): 15%
• Grades (rounding to whole number, with + and -):
  A 90-100%
  B 80-89%
  C 70-79%
  D 60-69%
  F <60%

TEXTBOOKS AND ELECTRONIC MEDIA
• Steele and Bramblett, 1988. The Anatomy and Biology of the Human Skeleton. Texas A&M University Press, College Station, TX. (Note: the vocabulary of this text is used.)
• See www.eSkeletons.org for a web-based version of the human and primate skeleton.
Topic Schedule

Aug. 25  Brief introduction to the course

*Students must schedule a 10-minute office hour appointment with Prof K on 30 August or 1 September.*

Aug. 30  Bone biology and skeletal development
Sept. 1  Introduction to the case study materials

Sept. 6  Inventory of your term project case study
Sept. 8  Inventory of your term project case study (cont.).

Sept. 13  The Skull
Sept. 15  The Skull (cont.)

Sept. 20  **QUIZ: The Skull;** Introduction to The Vertebrae
Sept. 22  The Vertebrae (cont.)

Sept. 27  **QUIZ: The Vertebrae;** Introduction to The Chest
Sept. 29  The Chest (cont.)

Oct. 4  **QUIZ: The Chest;** Introduction to The Arm
Oct. 6  The Arm (cont.)

Oct. 11  **QUIZ: The Arm;** Introduction to The Hand
Oct. 13  The Hand (cont.)

Oct. 18  **QUIZ: The Hand;** Introduction to The Pelvis
Oct. 20  The Pelvis (cont.); Applications: estimation of sex and age

Oct. 25  **QUIZ: The Pelvis;** Introduction to The Leg
Oct. 27  The Leg (cont.); Applications: estimation of stature

Nov. 1  **QUIZ: The Leg;** Introduction to The Foot
Nov. 3  The Foot (cont.)

Nov. 8  **QUIZ: The Foot;** Introduction to The Dentition
Nov. 10  The Dentition (cont.)

Nov. 15  **QUIZ: The Dentition;** Introduction to Applications: 3D imaging
Nov. 17  Your term project case study

Nov. 22  Your term project case study (cont.)

**Nov. 24-26  Thanksgiving Holidays (no class meetings)**

Nov. 29  Your term project case study (cont.)
Dec. 1  Your term project case study (cont.)
**Academic honesty**

Students who cheat not only cheat themselves but also cheat other students in the course as well as the University. This course has a zero tolerance policy for cheating. Any student found cheating will be directed to the appropriate University authorities. See [Honor Code](#) to review the UT policy.

Students *ARE NOT* permitted to copy answers from or share information with another student during a quiz.

Students *ARE NOT* permitted to share laboratory assignments and answers with other students unless they are specifically directed to collaborate and work in teams.

Students *ARE NOT* permitted to submit assignments for one another.

Any questions about lab assignments and quizzes should be directed to the professor and NOT to your fellow students. If you have any questions, please ask!

**IMPORTANT DATES AND DEADLINES TO REMEMBER:**

- 29 August: Last day of official add/drop period
- 9 September: Twelfth Class Day
- 1 November: Last day a student may with dean’s approval, withdraw or change pass/fail status
- 24-26 November: Thanksgiving holidays
- 1 December: Last day of class
- 2 December: Last day of the fall 2011 semester