ANATOMY AND BIOLOGY OF THE HUMAN SKELETON

SYLLABUS

ANTHROPOLOGY 366 (30610)    FALL 2015

PROFESSOR: Dr. John Kappelman (jkappelman@mail.utexas.edu)
Office: SAC 5.160, telephone: 471-0055
Office hours: Tu and Th: 11.30 – 12.30 pm in SAC 5.160, or by appointment

CLASS MEETINGS
Tu and Th: 12.30–3 pm in SAC 5.172

PREREQUISITES
- Anthropology 301 and upper-division standing, 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 UT Canvas course website)
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 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 is taken!): 15%
- Grades (rounded 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: we use the vocabulary in this text.)
- See www.eSkeletons.org for a web-based version of the human and primate skeleton.
Course schedule

Aug. 27 Introduction to the course, and introduction to the term project case study

*Students must schedule a 10-minute office hour appointment with Prof K on 9 or 11 September.*

Sept. 1 Case study: inventory
Sept. 3 Case study: inventory (continued)
Sept. 8 Bone biology and skeletal development; Introduction to Skull
Sept. 10 Skull (continued)
Sept. 15 **QUIZ: Skull;** Introduction to Vertebrae
Sept. 17 Vertebrae (continued)
Sept. 22 **QUIZ: Vertebrae;** Introduction to Chest
Sept. 24 Chest (continued)
Sept. 29 **QUIZ: Chest;** Introduction to Arm
Oct. 1 Arm (continued);
Application: estimation of stature and body mass
Oct. 6 **QUIZ: Arm;** Introduction to Hand
Oct. 8 Hand (continued)
Oct. 13 **QUIZ: Hand;** Introduction to Pelvis
Oct. 15 Pelvis (continued);
Application: estimation of sex and age
Oct. 20 **QUIZ: Pelvis;** Introduction to The Leg
Oct. 22 Leg (continued)
Oct. 27 **QUIZ: Leg;** Introduction to The Foot
Oct. 29 Foot (continued)
Nov. 3 **QUIZ: Foot;** Introduction to Dentition
Nov. 5 Dentition (continued)
Nov. 10 **QUIZ: Dentition;** Introduction to Applications: 3D imaging
Nov. 12 Your term project case study
Nov. 17 Your term project case study
Nov. 19 Your term project case study
Nov. 24 Your term project case study
**Nov. 26 Thanksgiving Holiday (no class meeting)**
Dec. 1 Your term project case study (continued)
Dec. 3 Your term project case study (continued)
Dec. 4 Case study project due
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 receive an F in the course and will be directed to the appropriate University authorities for additional sanctions including possible dismissal from the University. Please 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:

31 August: Last day of official add/drop period
7 September: Labor Day Holiday
11 September: Twelfth Class Day
3 November: Last day a student may, with their dean’s approval, withdraw or drop a class, or change to pass/fail basis.
26-28 November: Thanksgiving Holiday (no testing)
3 December: LAST DAY OF CLASS
4 December: Last day of the Fall 2015 semester
SAC 5.172 Schedule Fall semester 2015

If you have a smart UT ID card (and if you don’t, you’ll need to get one!), you will be granted UT ID card-activated access to the room. You will need to work on your case study outside of regular class times, and you can use this room schedule to determine when the room is free. You will need to be sure that your specimen is put away and the room is locked when you leave, and you are responsible for ensuring the security of the skeletal collections (e.g., do not let unauthorized people into the room).

Here below is the Fall 2015 schedule for the room.

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