ANTH 366: Human Osteology Lab   CRN 30313-15
Spring Term 2017

Instructor: Dr. Jeanne McLaughlin
Office: Condon 368/369/355
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Lab Instructor: Mr. Evan Simons
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Office Hours: TBA   Email: esimons@uoregon.edu
Open Lab: TBA

Lecture Room: 368 Condon   Lab Room: 368 Condon
Lecture Time: MW 0800-0950   Lab Times: R 0830-0950
                  R 1000-1120


Goals: The goals of this course are to familiarize the student with basic aspects of the field of human osteology, particularly the identification, analysis, and interpretation of human skeletal remains.

Students will be able to demonstrate: theoretical knowledge of the fields in which human osteology is used; proper use of anatomical terminology; proper respectful handling of human remains; their ability to evaluate and identify human osteological remains to element and side of the body; theoretical knowledge of types of analyses performed when evaluating human remain.

Description: This course includes both lecture and laboratory components, which are two complementary aspects of a single course and not separate classes. Each is designed to reinforce the material in the other, and each emphasizes different aspects of the material: lectures are more theoretical, labs more hands-on experience and identification. Your principal period of access to the skeletal material is during your scheduled weekly labs. In addition to this you are provided with at least two opportunities for additional time to study this material: my office hours and those of your GTF. Between the two of them you have several additional hours per week to familiarize yourself with the human skeleton. Given the emphasis in this class on specimen identification, it is strongly recommended you take advantage of these opportunities to the extent possible.

The content of this course is divided into two sections. The first covers basic skeletal biology and anatomy, and includes the topics: what bone is, how the skeleton functions as a system, the basic elements of the skeleton, and their identification. The second part of the course examines the ways in which bones vary and how those can be used to understand the individuals they represent.

A Canvas site will be maintained for this class. When you register for the class, you will automatically be enrolled to the site. All problems concerning the use of Canvas should be handled at the ITC center in the Knight Library. The Canvas site will contain essential information for the course including the syllabus, lecture notes, and laboratory assignments. Therefore, you must be certain you are able to use it. I will endeavor to
post lecture notes and lab assignments several days prior to the time of the lecture/lab. You are responsible for retrieving laboratory exercises from the black board site and printing them out (if desired) prior to attending your scheduled lab.

Requirements: Evaluation will consist of two lecture exams, weekly quizzes, an laboratory/group assignments. All examinations must be taken during the scheduled time: **UNDER NO CIRCUMSTANCES WILL MAKE-UP ASSIGNMENTS BE GIVEN** without a documented excuse (i.e. a signed note from your doctor, or conflicting academic activity verified by student services). If you will not be able to take an exam during the scheduled period, you must notify me in advance. Notification should be done via email. Lecture exams will be multiple choice, true false, matching, fill in the blank, and short answer format. Quizzes will consist of a series of stations with specimens that must be studied in a prescribed period of time. Quizzes will be given **Monday** at the start of class from weeks 2-10 and your lowest score will be dropped. They cannot be made up. Three lab assignments will be collected at random during the course of the term. You will not be given warning as to which three or when they will be collected so it is best to keep all of your assignments up to date. The grading will be as follows:

| Weekly Quizzes: 30 points each X 8 weeks = 240 pts |
| Lecture Exams: 100 points each X 2 = 200 pts |
| Labs: 10 points each X 3 = 30 pts |
| **Total points** 470 pts |

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<th>Grade</th>
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<tr>
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<td>97-100%</td>
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<td>A</td>
<td>93-96%</td>
<td>437-455 pts</td>
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<tr>
<td>A-</td>
<td>90-92%</td>
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<tr>
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<td>87-89%</td>
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<td>B</td>
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<td>B-</td>
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Some Rules: No food is allowed in the lab. Drinks are only allowed in closed containers. No photographs are to be taken in the lab. Due to the timed nature of the quizzes there will be no entering the classroom late- the door will be locked at the start of the quiz and you will receive a 0 if you come after that time. During lectures, quizzes and exams **cell phones MUST be turned OFF.** If a phone goes off or vibrates during a quiz or exam the owner of the phone will lose 10 points. If the ringing phone is not claimed each person in the class will lose 10 points. **THERE WILL BE NO EXTRA CREDIT- DO NOT ASK!**

**ADDITIONAL COURSE POLICIES:**

**Attendance Policy.** Attendance is mandatory for successful completion of the class. As there are unannounced collection of lab work it is critical that you attend class.
**Academic Integrity.** Work submitted in this course must be your own. Violations or the appearance of any form of academic dishonesty (cheating, plagiarism, fabrication, etc.) are taken seriously. If you are caught cheating or suspected of cheating you will be asked to leave the room and will fail the course. You will also be reported to the University. We follow all of the principles of the University of Oregon’s student code of conduct. For more information see: [http://uodos.uoregon.edu/StudentConductandCommunityStandards/StudentConductCode.aspx](http://uodos.uoregon.edu/StudentConductandCommunityStandards/StudentConductCode.aspx)

**Students with disabilities:** If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with the instructor soon. Also please request that the Counselor for Students with Disabilities send a letter outlining your approved accommodations. [Disability Services: disabsrv@uoregon.edu, 346-1155; [http://ds.uoregon.edu/](http://ds.uoregon.edu/)]

**Incompletes:** In this course, an incomplete grade will be used in accordance with the official university grading policy, which can be found at [http://registrar.uoregon.edu/incomplete_policy](http://registrar.uoregon.edu/incomplete_policy)

**Open Learning Environment:** The intention and structure of university level courses are to provide open, thoughtful forums for a wide variety of topics. While discussing these topics, note that "The University of Oregon affirms and actively promotes the right of all individuals to equal opportunity in education and employment at this institution without regard to race, color, sex, national origin, age, religion, marital status, disability, veteran status, sexual orientation, gender identity, gender expression, or any other consideration not directly and substantively related to effective performance. This policy implements all applicable federal, state, and local laws, regulations, and executive orders" as outlined in the handbook on the Office of Affirmative Action and Equal Opportunity. [http://aaeo.uoregon.edu/AAEO%20Booklet%20Color.pdf](http://aaeo.uoregon.edu/AAEO%20Booklet%20Color.pdf)

**Accessible Education:** The University of Oregon is dedicated to the principles of equal opportunity in education and accepts diversity as an affirmation of individual identity within a welcoming community. Disability is recognized as an aspect of diversity integral to the university and to society. Please see the following link for more information: [http://aec.uoregon.edu/](http://aec.uoregon.edu/)

**University Career Center:** The Career Center exists to provide career and job search services and resources to UO students and alumni. Our mission is to help you develop long-term career goals and strategies, facilitate self-exploration and discovery, connect with potential employers, and empower and challenge you to fulfill your potential. We look forward to serving as your advocate as you pursue an inspired and fulfilling future. The UO Career Center is a part of the Division of Student Affairs and has offices in Hendricks Hall on the UO campus and in the White Stag Block at the University of Oregon in Portland. Please see the following link for more information: [http://career.uoregon.edu/](http://career.uoregon.edu/)

**Schedule:** Following, is a tentative schedule of lecture and lab topics. Readings for each lecture from the course text (White) are intended to provide background and serve as a reference. Appendix 3 of the text provides lists of online resources.
Apr
3 Introduction, anatomical terminology, bone (Chapters 1-3)
5 Arthrology, Axial skeleton (Ch 4; Ch 6: pp. 129-130)
6 LAB I: Bone and Joints
10 Axial skeleton: skull (Ch 4; Ch 6: pp. 129-130)
12 Axial skeleton: skull development and evolution
13 LAB II: Skull
17 Axial skeleton: dentition and dental development (Ch 5)
19 Axial skeleton: dentition (appendix 2)
20 LAB III: Dentition
24 Axial skeleton: vertebral column (Ch 6; Ch 11: pp. 219-226)
26 Axial skeleton cont’: ribs, and sternum (Ch 7)
27 LAB IV: Non-Skull Axial

May
1 Appendicular skeleton: limbs organization and girdles (Ch 8; Ch 11: 226-240)
3 Appendicular skeleton: proximal, middle, distal, elements (Ch 9, 10, 12 and 13)
4 LAB V: Limbs
8 Midterm Exam
10 Human versus non-human
11 LAB VI: Limbs
15 Human versus Non-human
17 Initial examination and preparation of remains (Ch 16)
18 LAB VII: Human/Non-human
22 Variation: sex, stature, ancestry, age estimation (Ch 18)
24 Variation: sex, stature, ancestry, age estimation (Ch 18)
25 LAB VIII: Inventory, initial assessment
29 Memorial Day- No Classes
31 Pathology cultural, occupational modification (Ch 19)

Jun
1 LAB IX: Sex, stature, ancestry, age estimation
5 Variation: Postmortem modification and taphonomy (Ch 20)
7 Ethics in osteology (Ch 17)
8 LAB X: Cultural modification, pathology, postmortem modification, taphonomy
16 Friday 1015 hours Final Exam