Course Description
This course explores the evolution of the human lineage, defined as members of the tribe Hominini (informally “hominin”) including Homo sapiens and other extinct species more closely related to living humans than to chimpanzees and bonobos. We will cover the evolutionary history of the hominins from the time of divergence from the other African apes through the appearance of our own species. The study of human evolution, by its nature, is a multidisciplinary and diverse subject, and we will not be able to cover all aspects in this course. The course will emphasize the human fossil record, and what we know of hominin biology from fossils. We will discuss historically significant finds as well as the latest discoveries, and cover major issues in hominin phylogeny, paleobiology, paleoecology, and behavior. Thus, the course will include relevant aspects of geology, paleoclimatology, paleontology, genetics, evolutionary biology, zoology, mammalogy, and archaeology.

Objectives
1. Identify bones of the human (and primate) skeleton and understand how to interpret them functionally.
2. Descriptions of where, when, and the theories of why early hominins evolved.
3. Descriptions of where, when, and the theories of why australopiths evolved.
5. Descriptions of where, when, and the theories of why modern humans evolved.

Texts


Course Format
The course is designed in a Lecture and Laboratory Format, meaning that the lecture and laboratory components complement each other, and both are required to pass this course. There will be two lecture meetings per week and one lab meeting. The class will begin with a series of background lectures, with labs focusing on human anatomy and comparative morphology. Following this, lectures and labs will focus on major groups of fossil hominins. Lectures will consist of an exploration of the relevant fossil and archaeological record, highlighting important concepts and important evidence, while the labs focus on observation, measurement, and interpretation of data.

In total, students should expect to spend 10 to 20 hours per week outside of class time for this course, including the time devoted to reading, studying, and completing assignments including constructing a well thought-out presentation and research paper.
Canvas
A Canvas site will be maintained for this class that will contain course information and documents, including lab assignments and additional information on other assignments. Please contact UO Library Canvas Student Support for help with all technical issues.

Zoom
As this class will be held remotely this term, we will meet via Zoom. See Canvas for Zoom information.

Zoom guidelines:
- Treat this as you would any in-person class. Pay attention to what I or your classmates have to say. **Take notes** on material covered in class. Avoid other activities during class time.
- All of us occasionally need to hide video, but I encourage leaving video on if you can during lecture. During class discussion, I expect video on except in the case of technical difficulties or other approved exceptions. That said, remember that we can see your surroundings with video on.
- Use a microphone or speak closely to your computer microphone so that others can hear you.
- Please mute your audio when you are not actively contributing.
- Please do not record (audio or video) any part of class unless you have my permission.
- For help and troubleshooting with Zoom, visit the UO Service Portal

Course Requirements
Regular attendance, participation, and keeping up with readings are necessary to pass this course. Grades are based on a midterm and final exam, weekly lab exercises, two lab practical exams, a presentation, and a short research paper. **Under no circumstances will make-up lab assignments or practical exams be given without a documented and cleared excuse** (see Accommodations). If you miss a scheduled lab or lab practical you will not be able to make it up, given the amount of time and material required to set-up each lab and practical. You will not receive credit for a late assignment unless you notify your GE in advance. Evaluation of your course grade will be based on the following four components:

1) **Midterm & Final Exams:** The midterm and final exam will be taken on Canvas during the scheduled time, and will be based on material covered in lectures and readings. Exams will include multiple choice & matching questions, fill-in-the-blank, short answer (2-3 sentences), and/or short essay questions (4-5 sentences). The final exam is cumulative in the sense that we are building on concepts as we work through the course. I will use the terminology, the understanding, and the framework of those concepts to phrase new questions that may not have been specifically covered in the second part of the course.

2) **Lab Practical Exams** – There are two lab exams, which will be taken during scheduled lab section times, and based on material covered in the lab sections.

3) **Lab exercises / assignments** – Each lab has an assignment that will be graded in terms of your participation, completion, and understanding of the materials.

4) **Group presentation** – Each student group will give a presentation and lead a discussion during one of the designated presentation days. This will require you to go beyond the reading and lecture material and choose journal articles to present and discuss as a group. All group members must participate in the presentation and discussion, and grading will be based on
the quality of the presentation and discussion as a group. I will provide a rubric so you are aware of how this is graded.

The following is expected of your group presentation:

a. Choose 3 journal articles that your presentation will focus on. Article choices should be sent to me at least 1 week before your presentation day, ranked and I will choose 1-2 articles (depending on length) from your list and post them on Canvas for your classmates to access and read before your presentation.

b. Design a short presentation (25 min) based on the article, demonstrating your understanding of the material in the article beyond what is covered in lectures.

c. Lead a short discussion (at least 10 minutes), providing at least 2 questions that we can discuss as a class, based on the material you cover in the presentation and the articles that we will have read.

d. For additional information, see the Article Presentation guide on Canvas.

5) Research Paper – You will write a short research paper (3-4 pages) that expands on the topic of your group presentation. The paper should be written by you, and is not a group assignment. Follow the Research Paper Guidelines on Canvas. This is not a rehash of the presentation, but an opportunity to expand your own research by finding and discussing at least 4 additional scientific articles on the topic. You must include a References Cited section and be sure to cite your sources in-text appropriately. The paper will be submitted on Canvas and is due 1 week after your group presentation.

WORKING IN STUDENT GROUPS
Each student will participate in a group, and as a group you will give one presentation. Groups will typically consist of between 3 to 4 people. This presentation should be a combined presentation/discussion that is cohesive (i.e. not 4 individual presentations on 4 different topics), and all people in the group need to work on the presentation and present a part of it. After group sign-up, if you wish to change groups please let me know ASAP. Otherwise, switching groups will not be permitted unless extenuating or special circumstances warrant switching groups later in the term. Because you are developing a presentation and critical analysis as a group, you might consider using online resources to develop, create, and edit your group presentations, such as Google Docs (http://www.google.com/docs/about/) and Prezi (http://prezi.com/).

GRADING
Final grades for ANTH 361 will be based on the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm exam</td>
<td>20%</td>
</tr>
<tr>
<td>Final exam</td>
<td>20%</td>
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<tr>
<td>Group presentation/discussion</td>
<td>10%</td>
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<tr>
<td>Research paper</td>
<td>10%</td>
</tr>
<tr>
<td>Lab exercises</td>
<td>10%</td>
</tr>
<tr>
<td>Lab Practical 1</td>
<td>15%</td>
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<tr>
<td>Lab Practical 2</td>
<td>15%</td>
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<tr>
<td>TOTAL</td>
<td>100%</td>
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Grades will be assigned as follows: A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F < 60%, with ‘+’ and ‘−’ representing the top and bottom 3% of each letter.

Exams and assignments must be taken/turned in at the scheduled time—under no circumstances will make-up exams or assignment extensions be given without a documented excuse (see Personal issues). If you will not be able to take an exam or turn in an assignment, you must notify your GE or me in advance (preferably by e-mail). There is no extra credit for this course.
ACCOMMODATIONS
Appropriate accommodations will be provided for students with documented disabilities. Please make arrangements to meet with Dr. Blumenthal or your GE to discuss these accommodations.

ACADEMIC HONESTY
I consider academic honesty to be essential for each student’s intellectual development. As an institution fundamentally concerned with the free exchange of ideas, our University depends on the academic integrity of each of its members. In the spirit of this free exchange, students and teachers of our University recognize the necessity, and accept the responsibility, for academic honesty. As a student who enrolls in this course, you agree to respect and acknowledge the research and ideas of others in your work and to abide by those rules in both lecture and lab.

Plagiarism:
Plagiarism is defined as the use of intellectual material produced by another person without acknowledging its source. For example:
• Wholesale copying of passages from works of others into a discussion or presentation
• Using the views, opinions, or insights of another without acknowledgment
• Paraphrasing another person’s characteristic or original phraseology, metaphor, or other literary device without acknowledgment
For further information about the UO policy on plagiarism and matters of social conduct, please refer to your student handbook. Also, the UO provides excellent resources to help you avoid plagiarism. Check out https://researchguides.uoregon.edu/citing-plagiarism
Please, for your protection and development, cite your sources properly and do not plagiarize. You can find more information on the proper use and examples of citations at the University of Oregon library website: http://researchguides.uoregon.edu/citing-plagiarism/styleguides
NOTE: Class schedule is subject to change in the event of extenuating circumstances, or otherwise modified as appropriate.

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates (m/d)</th>
<th>Topics</th>
<th>Required Reading (Conroy and Pontzer)</th>
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</thead>
</table>
| 1    | 03/30       | Course Overview & Requirements  
Introduction to Paleoanthropology  
04/01 \ Introduction to Paleoanthropology continued  
04/02 \ *Lab 1: Cranial anatomy, aging, sexing (Due by the end of Week 2 lab)* | For Tuesday: No readings  
For Thursday: Ch. 1 & 4  
*Lab assignment: Online* |
| 2    | 04/06       | Reconstructing the past: time  
04/08 \ Reconstructing the past: climate and ecology  
Fossils and their analysis  
04/09 \ *Lab 2: Postcranial anatomy, aging, sexing (Due by the end of Week 3 lab)* | For Tuesday: Ch. 2 (p. 47-56), Ch. 3 (p. 67-87)  
For Thursday: Ch. 2 (p. 27-40), Ch. 3 (p. 63-67)  
*Lab assignment: Online* |
| 3    | 04/13       | Major African fossil sites  
04/15 \ Bipedalism, the earliest human fossils  
04/16 \ *Lab 3: Humans and Apes (Due by the end of Week 5 lab)* | For Tuesday: Ch. 6 (p. 158 & 162-185), Ch. 7 (p. 205-206 & 209-235)  
For Thursday: Ch. 2 (p. 56-59), Ch. 7 (p. 206-209 & 235-238), Ch. 8 (p. 270-278 & 298-311)  
*Lab assignment: Online* |
| 4    | 04/20       | Earliest human fossils cont., *Ardipithecus*  
04/22 \ First Presentation/Discussion Day  
04/23 \ *Lab 4: LAB PRACTICAL 1* | For Tuesday: Ch. 2 (p. 41-47), Ch. 7 (p. 235-238), Ch. 8 (p. 278-280)  
For Thursday: Presentation articles, *Come ready to discuss*  
*Lab assignment: LAB EXAM* |
| 5    | 04/27       | *Australopithecus* and Lomekwan technology  
04/29 \ Second Presentation/Discussion Day | For Tuesday: Ch. 6 (p. 185-192), Ch. 7 (p. 238-249), Ch. 8 (p. 257-270, 280-300 & 311-325)  
For Thursday: Presentation articles, *Come ready to discuss* |
<table>
<thead>
<tr>
<th>Date</th>
<th>Task</th>
<th>Notes</th>
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| 04/30  | Lab 5: Bipedalism and early hominins  
*(Due by the end of Week 6 lab)* | Lab assignment: Online                                                 |
| 05/04  | Midterm Exam                                                         | For Tuesday: MIDTERM                                                  |
| 05/06  | *Paranthropus*                                                       | For Thursday: Ch. 6 (pp. 192-196), Ch. 7 (249-255 & 258-268)          |
| 05/07  | Lab 6: Australopithecines  
*(Due by the end of Week 7 lab)* | Lab assignment: Online                                                 |
| 05/11  | Early *Homo* and Oldowan technology                                  | For Tuesday: Ch. 9 (p. 327-375)                                      |
| 05/13  | Third Presentation/Discussion Day                                   | For Thursday: Presentation articles, **Come ready to discuss**        |
| 05/14  | Lab 7: *Paranthropus* and early *Homo*  
*(Due by the end of Week 8 lab)* | Lab assignment: Online                                                 |
| 05/18  | *Homo erectus* and Acheulean technology                             | For Tuesday: Ch. 10 (p. 377-447)                                     |
| 05/20  | Middle-Late Pleistocene *Homo*, Neanderthals                         | For Thursday: Ch. 11, (pp. 449-483), Ch. 12 (534-563 & 570-587)      |
| 05/21  | Lab 8: *Homo erectus* and *H. heidelbergensis*  
*(Due by the end of Week 9 lab)* | Lab assignment: Online                                                 |
| 05/25  | Modern Human Origins                                                | For Tuesday: Ch. 12 (485-534 & 573-599)                               |
| 05/27  | Fourth Presentation/Discussion Day                                  | For Thursday: Presentation articles, **Come ready to discuss**        |
| 05/28  | Lab 9: *Homo neanderthalensis* and *H. sapiens*  
*(Due by the end of Week 10 lab)* | Lab assignment: Online                                                 |
| 06/01  | Evolutionary trends in hominin biology and behavior                 | For Tuesday: TBD                                                      |
| 06/03  | Fifth Presentation/Discussion Day                                   | For Thursday: Presentation articles, **Come ready to discuss**        |
| 06/04  | Lab 10: LAB PRACTICAL 2                                              | Lab assignment: LAB EXAM                                              |
| 06/09  | Wednesday: Final Exam  
*Time – 12:30 pm*                                                      |                                                                      |