Course Description: This course is an introduction to human relationships with domestic animals, examining the domestication process and the effects of domestication on economy, politics, religion, and social organization. With a focus on the diverse domestication trajectories of a variety of animals (including those domesticated for food, clothing, transportation, prestige, and/or companionship), students will integrate archaeological, zoological and genetic data sets to identify and understand the cultural and environmental settings in which domestication took place, and the ways in which these settings shaped the initial domestication and subsequent breeding processes. Through these case studies, which will include cattle, sheep, goats, pigs, horses, llamas, chickens, dogs, cats, and others, the course will address a series of major issues, including debates around definitions of domestication, whether certain animals are more “domesticatable” than others, the nature of differences between wild and domestic animals, the processes involved in the development of diverse breeds, and how domestication transformed human-environment relationships and human societies.

Core Education Fulfillment: This course fulfills the Natural Science Area of Inquiry. Students will develop foundational knowledge in aspects of zoology (including anatomical and ecological perspectives), genetics, and archaeology, and will learn how to use results from research grounded in one discipline (e.g., a genetic analysis of modern animal populations) to generate hypotheses that can be tested using other lines of evidence (e.g., archaeological finds). Laboratories will allow students to learn the skeletons of domestic animals to understand how the morphologies observed in animal bones recovered from archaeological sites relate to the changes in animals commonly associated with domestication. You will develop your critical and creative thinking skills in this course through activities in lecture and laboratory.

Expected Learning Outcomes:
Following successful completion of this course, students will be able to:

- Outline the domestication histories, including timing and processes, of major domesticated species
- Evaluate debates regarding the effects of domestication on the morphology, genetics, and behavior of animal species
- Describe the effects of diverse domestic animals on human lifeways
- Integrate scientific literature from multiple disciplines, including archaeology, genetics, zoology, and ecology, and generate testable hypotheses to aid in critically evaluating the results from these studies
Course Materials and Modality

This is an in-person course. This means that if you miss an in-person class session, you will need to take responsibility for learning the missed material. I will post the lecture slides on Canvas each week. I and your GEs are available in office hours to answer any questions you have about missed course material. I will accommodate absences and late assignments as described below. If you need additional flexibility in course modality, the UO encourages you to consider online courses.

- **Readings** for this course include book chapters and journal articles. All articles and book chapters are available as PDFs through Canvas. You do not need to purchase a book for this class.
- **Class Sessions** will be lectures and discussions of the course content. Attendance for these sessions is not graded.
- **Laboratory Sessions** will be explorations of domestic animal anatomy. Attendance for these sessions is graded.

Contacting your Professor or GE

There are several ways to get in touch with Dr. Dueppen during the term if you have questions about the course content, assignments, or anything related to archaeology.

You can reach me:
- over email at dueppen@uoregon.edu or through the Canvas message function.
- in person during my office hours Tuesday and Thursday from 11:30 am-12:30 pm each week in Condon 252. You can also email me to make an appointment if you cannot make my office hours.

We have two GEs for this course, Junyi Zhu and Sophie Miller. Please feel free to reach out to them for questions about grading or course material.

- Sophie (366 Condon Hall) can be reached at smiller3@uoregon.edu and will be holding office hours on Tuesdays from 1:00-3:00 pm. Sophie will provide details on scheduling appointments during and accessing office hours on the section Canvas pages.
- Junyi (365 Condon Hall) can be reached at junyiz@uoregon.edu and will be holding an in-person office hour (Wednesday 3:00-4:00 pm) and is available by appointment.

Course Assignments and Late Policies

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points and Frequency</th>
<th>Total Points</th>
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<tbody>
<tr>
<td>Exams</td>
<td>100 points each x 3 exams</td>
<td>300</td>
</tr>
<tr>
<td>Discussion Posts</td>
<td>10 points for each post</td>
<td>20</td>
</tr>
<tr>
<td>Laboratory Participation</td>
<td>10 points each x 8 laboratories</td>
<td>80</td>
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**Exams:** Four timed, non-cumulative open book exams will be given through Canvas. The three highest exam scores will count towards your grade. You do not need to take an exam to drop the score. The first exam will follow the third week of class, the second will follow week five, the third will follow week eight, and the fourth will follow week 10. Exams will be available to take from Friday after
laboratory sessions through Monday at 11:59 pm (with the exception of Exam 4, which will be due the day of the scheduled final exam). More information on the exam format will be provided in Week 2.

Laboratory Participation: There will be eight laboratory meetings. Attendance at laboratory meetings is expected and graded, although alternative assignments can be utilized to make-up a limited number of missed laboratories (see next section of the syllabus).

Discussion Posts: There will be two required discussion posts on canvas, one in week 1 (due by Friday of Week 2) and the other in week 10 (due at the same time as Exam 4).

Late Assignment Policies
Exams (excluding Exam 4) will remain open for three days following the due date (until Thursday at 11:59 pm) and may be taken during that window for a 10% penalty. Following that window, you may complete an alternative essay assignment with a 20% penalty. Don’t forget that you can drop your lowest exam score and therefore may not need to make up a missed exam. Penalties are taken off the maximum possible score (e.g., 10% penalty on a 20 point assignment is 2 points). No late exams may be turned in after the final course deadline.

You may make up as many as two missed laboratory sessions by completing a written version of the laboratory exercise.

Incomplete Policy
Students are strongly discouraged from taking an incomplete in the course. Incompletes will only be given if:

- the student has been making satisfactory progress on coursework (have earned at least 200 points in the class).
- has been active in the course;
- is unable to complete a portion of the course requirements due to extenuating circumstances beyond their control that occurred after the last day to drop a class (end of Week 7);
- is able to independently complete the remaining requirements without attending additional classes beyond the term or receiving additional instruction; and
- requests an Incomplete by 5 pm on the Friday of finals week

Students wishing to take an incomplete in the course should proactively consult with Dr. Dueppen about their situation.
Grading Scale

This course is graded on a point scale. Grades will be assigned according to the total points earned in the class.

<table>
<thead>
<tr>
<th>Final Grade Scale</th>
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<tbody>
<tr>
<td>Grade</td>
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<td>D-</td>
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<td>F</td>
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If the class is taken P/NP, a C- or higher is required to pass the course.

**Expected levels of performance:**

A+: Quality of student's performance significantly exceeds all requirements and expectations required for an A grade. Very few, if any, students receive this grade in a given course.

A: Quality of performance is outstanding relative to that required to meet course requirements; demonstrates mastery of course content at the highest level.

B: Quality of performance is significantly above that required to meet course requirements; demonstrates mastery of course content at a high level.

C: Quality of performance meets the course requirements in every respect; demonstrates adequate understanding of course content.

D: Quality of performance is at the minimal level necessary to pass the course, but does not fully meet the course requirements; demonstrates a marginal understanding of course content.

F: Quality of performance in the course is unacceptable and does not meet the course requirements; demonstrates an inadequate understanding of course content.
Class and UO Policies and Resources

**Academic Disruption due to Campus Emergency:** In the event of a campus emergency that disrupts academic activities, course requirements, deadlines, and grading percentages are subject to change. Information about changes in this course will be communicated as soon as possible by email, and on Canvas. If we are not able to meet face-to-face, students should immediately log onto Canvas and read any announcements and/or access alternative assignments. Students are also expected to continue coursework as outlined in this syllabus or other instructions on Canvas.

In the event that the instructor of this course has to quarantine, this course may be taught online during that time.

**Academic Misconduct:** The University Student Conduct Code (available at conduct.uoregon.edu) defines academic misconduct. Students are prohibited from committing or attempting to commit any act that constitutes academic misconduct. By way of example, students should not give or receive (or attempt to give or receive) unauthorized help on assignments or examinations without express permission from the instructor. Students should properly acknowledge and document all sources of information (e.g. quotations, paraphrases, ideas) and use only the sources and resources authorized by the instructor. If there is any question about whether an act constitutes academic misconduct, it is the students’ obligation to clarify the question with the instructor before committing or attempting to commit the act. Additional information about a common form of academic misconduct, plagiarism, is available at https://researchguides.uoregon.edu/citing-plagiarism.

**Accessible Education:** The University of Oregon is working to create inclusive learning environments. Please notify me if there are aspects of the instruction or design of this course that result in disability-related barriers to your participation. You are also encouraged to contact the Accessible Education Center in 360 Oregon Hall at 541-346-1155 or uoaec@uoregon.edu.

**Accommodation for Religious Observances:** The university makes reasonable accommodations, upon request, for students who are unable to attend a class for religious obligations or observance reasons, in accordance with the university discrimination policy which says “Any student who, because of religious beliefs, is unable to attend classes on a particular day shall be excused from attendance requirements and from any examination or other assignment on that day. The student shall make up the examination or other assignment missed because of the absence.” To request accommodations for this course for religious observance, visit the Office of the Registrar's website (https://registrar.uoregon.edu/calendars/religious-observances) and complete and submit to the instructor the “Student Religious Accommodation Request” form prior to the end of the second week of the term.

**Basic Needs:** Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live and believes this may affect their performance in the course is urged to contact the Dean of Students Office (346-3216, 164 Oregon Hall) for support. This UO webpage includes resources for food, housing, healthcare, childcare, transportation, technology, finances, and legal support: https://blogs.uoregon.edu/basicneeds/food/

**Inclement Weather:** It is generally expected that class will meet unless the University is officially closed for inclement weather. If it becomes necessary to cancel class while the University remains open, this will be announced on Canvas and by email. Updates on inclement weather and closure are also communicated in other ways described here: https://hr.uoregon.edu/content/inclement-weather.
**Mental Health and Wellness:** University Health Services help students cope with difficult emotions and life stressors. If you need general resources on coping with stress or want to talk with another student who has been in the same place as you, visit the Duck Nest (located in the EMU on the ground floor) and get help from one of the specially trained Peer Wellness Advocates. Find out more at [health.uoregon.edu/ducknest](http://health.uoregon.edu/ducknest).

University Counseling Services (UCS) has a team of dedicated staff members to support you with your concerns, many of whom can provide identity-based support. All clinical services are free and confidential. Find out more at [counseling.uoregon.edu](http://counseling.uoregon.edu) or by calling 541-346-3227 (anytime UCS is closed, the After-Hours Support and Crisis Line is available by calling this same number).

**Reporting Obligations:** I am an assisting employee. For information about my reporting obligations as an employee, please see Employee Reporting Obligations on the Office of Investigations and Civil Rights Compliance (OICRC) website. Students experiencing sex or gender-based discrimination, harassment or violence should call the 24-7 hotline 541-346-SAFE [7244] or visit [safe.uoregon.edu](http://safe.uoregon.edu) for help. Students experiencing all forms of prohibited discrimination or harassment may contact the Dean of Students Office at 541-346-3216 or the non-confidential Title IX Coordinator/OICRC at 541-346-3123. Additional resources are available at [investigations.uoregon.edu/how-get-support](http://investigations.uoregon.edu/how-get-support). I am also a mandatory reporter of child abuse. Please find more information at [Mandatory Reporting of Child Abuse and Neglect](http://www.uoregon.edu/services/health/.

**Inclusion Statement:** The College of Arts and Sciences at the University of Oregon affirms and actively promotes the right of all individuals to equal opportunity in education 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.

**Classroom and Laboratory Behavior:** Students are expected to be respectful to one another and to the professor and GEs in the classroom and laboratory. Cell phones may not be used during class sessions. In laboratory, students are expected to follow the lab behavior protocols distributed by the GEs.
Course Topics and Assignment Due Dates

WEEK 1: Introduction and Theories of Domestication


Laboratory: Introduction to Archaeology

WEEK 2: Histories of Domestication, Dogs


Laboratory: Dog

WEEK 3: Cats, Goats


Laboratory: Cat

EXAM 1 available Friday October 14 at 5:00.
Complete by Monday October 17 at 11:59 pm

WEEK 4: Cattle


Laboratory: Sheep
WEEK 5: Sheep, Pigs

Laboratory: Rabbit

EXAM 2 available Friday October 28 at 5:00 pm.
Complete by Monday October 31 at 11:59 pm

WEEK 6: Horses, Donkeys, Llamas
- Orlando 2020, Ancient Genomes Reveal Unexpected Horse Domestication and Management Dynamics. *Bioessays* 42(1):1900164

Laboratory: Horse

WEEK 7: Domestic Birds and Guinea Pigs
- Dueppen 2011, Early Evidence for Chickens at Iron Age Kirikongo (c. AD 100-1450), Burkina Faso *Antiquity* 85:142-157.

Laboratory: No Laboratory Meeting- Veterans Day Holiday

WEEK 8: Camels, Water Buffalo, Elephants, Reindeer

Laboratory: Chicken

EXAM 3 available Friday November 18 at 5:00 pm.
Complete by Monday November 21 at 11:59 pm
WEEK 9: Dogs and Cats Part II
(No Class Thursday- Thanksgiving Holiday)

- Sauther et al. 2020, Taxonomic Identification of Madagascar’s Free-Ranging “Forest Cats” Conservation Genetics, 1-9

Laboratory: No Laboratory Meeting- Thanksgiving Holiday

WEEK 10: Companion Animals, Modern Experiments in Domestication


Laboratory: Summary Discussion

EXAM 4 available Friday December 2 at 5:00 pm.
Complete by 10:00 am on Thursday December 8.