Animals and Human Affairs Online Syllabus
Summer C Session
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REFERENCE MATERIAL:
The following books are useful but not required. They are all fun reads! We will also read some other material from primary and secondary literature that will be made available via the course website and class list. I routinely bring in new articles and press relevant to the course.
Key reading:
A Movable Feast: Ten Millennia of Food Globalization, by Kenneth Kiple
The Big Oyster: History on the Half Shell, by Mark Kurlansky
Four Fish: The Future of the Last Wild Food, Christopher Lane
The Horse: The Epic History of Our Noble Companion by Wendy Williams

COURSE OVERVIEW: This interdisciplinary course serves as an introduction to animal life, human and animal interrelationships, and national and international policies and their implementations that support animal life now and into the future. The course is divided into four thematic sections. The first section covers a brief overview of the history of animals, taking a long view. The second portion of the course discusses key human animal interrelationships in the context of animal evolution, covering examples across the animal Tree of Life. This section focuses less on current farm or ranch practices per se, although some mention of these do occur. Instead, this course explores how domestication has happened in key case studies, including bees in Asia Minor, silkworms in the orient, turkeys in the Americas, horses in Ukraine and Kazakhstan, and sheep by farmers in the Fertile Crescent in Africa, the middle East and Western Asia. We also discuss discoveries of how coral reefs form based on theories from Darwin, and why corals are so unique as an ecosystem, how four fish have impacted how and what we eat and the fish populations we consume, and our American history with oysters. These vignettes are meant to cover enough examples to show breadth and depth of human-animal interrelationships. The last portion of the course is focused on how humans have decided to protect and manage animal diversity. What species are under threat, what are those threats, how do we know, and how have governments and international agencies responded? What is the science behind observing animals in the wild and understanding how to develop indicators of population and species losses? The course is meant to ultimately have a positive message about human and animal interrelationships and the work being done to assure continued health of humans and the planet. Finally, although there are no labs, the Thursday class will feature guests and mini-labs where you will be able to learn more about animal diversity as well as hear from experts on various topics related to domestication, policy and our long-term interdependency with animals of all shapes and stripes. We will also visit the collections at the Florida Museum to learn about the
physical evidence of animals and both natural and cultural heritage and their intersection.

SUMMER SCHEDULE:
**Week 1:**
Module 1. Animal Life in Crisis  
Module 2. Discovering species and reconstructing their relationships and the Metazoan Tree of Life

**Week 2:**
Module 3. The Rise of Animals  
Module 4. Major events in the history of animals.

**Week 3:**
Module 5. Introduction to the non-bilaterian animals.  
Module 6. The importance, and imminent losses, of coral reefs.

**Week 4:**
Module 7. Animal parasites, how common are they and how do we combat the worst of them?

**Week 5:**
Module 8. An Introduction to the Lophotrochozoans and oysters on the half shell

**Week 6:**
Module 9. Introduction to the real rulers of the planet and our first domestication example - the European honeybee.

**Week 7:**
Module 10. The domestication of *Bombyx mora*, the silk moth, its importance in economies, and the spread of silk across trade routes.

**Week 8:**
Module 11. The Deuterostomes and the cost of invasive sea urchins and star fish

**Week 9:**
Module 12. The rise of chordates and the importance of fish to human ways of life

**Week 10:**
Module 13. A New World domestication and domestication as a process - Turkeys

**Week 11:**
Module 14. The rise of mammals, a timeline for the domestication of sheep, and the importance of wool.

**Week 12:**
Module 15. The rise of mammals and humans; domestication of horses and its consequence in human history

**Week 13:**
Module 16. Policy frameworks and novel ways to observe biodiversity in the 21st century

FORMAT AND LEARNING OBJECTIVES: This course is an interdisciplinary special-topics course. Although it is primarily lecture-based, your instructor believes fundamentally in hands-on experiences. We will therefore have mini-labs on Thursdays – for 20-30 minutes each class - where we will get to learn about some key organisms discussed in the class – these will include some exemplar specimens, including where possible archaeological material. Depending on weather, we will try to take a field trip, to UF’s Ordway-Swisher field-site, to learn about biodiversity monitoring approaches and the technology behind monitoring animals in the field. Midterms (3 of them, with a last midterm in class in lieu of a final) are fill-in-the-blank and essay based with a premium on synthesis. Theory and how we “know what we know” will feature. Core guiding concepts will provide a critical scaffold for the course, and will be “foregrounded” in lecture material.

Learning objectives include: 1) Understanding the broad outlines of animal diversity and how it came to be over the last 650 million years of evolution, and how we know; 2) Understanding current threats to animal diversity, why it matters for human health and well-being, and efforts to preserve biodiversity; 3) Understanding key interrelationships
between humans, how humans have made decisions regarding use of animals, the histories
and origins of domestication, and how humans have modified animals through selective
breeding. How do we gather evidence of past domestication? 4) Understanding how
domestication changes humans – how much do our domesticated animals impact our lives
and; 5) Understanding how policy frameworks have been develop to protect animal species;
6) Analyzing debates about how to develop policy for animal biodiversity; 6) Using new tools
to assess knowledge gaps in animal diversity and develop reports of how well policy
frameworks are being met; 7) Synthesizing knowledge from human-animal interrelationships
past and present in order to understand the 21st century challenges facing how we manage
and sustain animal resources; 8) Developing the ability to link data to knowledge to policy
actions, and advocate how this linkage can be strengthened.

Powerpoint: Since there is minimal assigned reading in this course (but I will have some
short sections to read for assignments), all lecture notes (the Powerpoint slides) will be made
available as Web and native PPT files. It will take approx. a week to get PPT/Web files
online. I will burn CDs of notes for students, if requested. Making the material available
online or on CD is done as a favor to the students and as time allows. I will try to do the best
we can but the availability of PPT is not a given.

Emailing Instructor and TA: Email is the least likely way to get a response from the
Instructor in a timely manner, but I will do my best to at least read emails and respond; a
response cannot be guaranteed.

Provisional Grading:

Exams:
Midterm 1: 15% of final grade. (100 points total)
Midterm 2: 15% of final grade. (100 points total)
Midterm 3: 15% (100 points)
Final Synthesis: 15% (100 points)

Other assessments:
Class assignments: 15% (6.25 points each, 100 points total)
Quizzes: 15%. (10 points each, 100 points total)
Short paper or video presentation: 10% of final grade + up to 2% extra credit (67 points +
13 possible extra credit)

There are no set number of As, Bs or Cs given out in this course (no strict curve). Grading
will be based on naturally occurring sets of breaks between high scoring, medium scoring and
lower scoring students. If everyone does well, everyone gets As. I will consider improvement
a criterion for grading. If you do much better on the final compared to the midterms, we will
downweight the midterm scores and upweight the final. All assignments will be due Sunday
at 11:59 pm, except for the week 13 assignments, which are due Friday at 11:59 pm.

Short Paper/Presentation
There is a 4-8 page double spaced paper AND/OR 10-15 oral presentation (with multimedia
aids) assigned for this course. You will get a full assignment from the instructor in
mid-September, and the paper is due latest on November 21. The paper or presentation
should be short review paper on a topic of interest about animal domestication or animal biodiversity policy. It should focus on more than one and preferably many (3+) papers on the same topic from the primary literature (that means a scientific paper and not the Internet, although you can use the Internet to find the papers!). You may cover any topic related to animal domestication and policy, but the instructor asks that you discuss what you choose to cover with them before starting. You may use any type of citation you would like, but you must cite your sources. You can accrue up to 3% extra credit towards the final grade by doing both a paper AND a presentation, and if those are both excellent, the joint effort can bump you as much as half a grade (from say a B+ to A-). 1+ class period is set aside for oral presentations about your review topic.

**Expected Behavior**

I expect each class member to behave as is befitting a professional situation like attending a class. The simple rules are: attend class, participate, and know campus policy about expected classroom behavior. I will treat each member with all respect as long as we feel that is reciprocated. Cheating will not be tolerated and we expect all students to follow codes of ethics as outlined by the University of Florida (https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/). I love cell phones and mobile devices too, but please be respectful regarding use in the classroom. I promise to be respectful in return and do whatever I can to make the classroom experience great!

**Policy regarding Religious Observance:**

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, the instructors will discuss accommodations on a case by case basis. Reasonable requests will almost always be granted.

**Policy regarding sexual harassment**

The University of Florida policy on Discrimination and Harassment (http://hr.ufl.edu/manager-resources/policies-2/sexual-harassment/) will be adhered to strictly. Any student who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status can make a formal complaint report to the Institutional Equity and Diversity officer and/or to the Dean of Students Office/Student Conduct and Conflict Resolution (DSO/SCCR). Resources and reporting options can be found online at https://www.dso.ufl.edu/sccr/resources/victims.

**U Matter, We Care**

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contactumatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please
remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.