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ANTY 213N.00: Physical Anthropology Lab

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ANTH 213
PHYSICAL ANTHROPOLOGY LAB
Fall 2014

CLASS MEETINGS:

Wednesday 3:10-4pm, Thursday 9:10-10am & 10:10-11am, and Friday 2:10-3pm & 3:10-4pm

COURSE INFORMATION:

Professor: Meradeth Snow

Office: 219 Social Sciences

Email: meradeth.snow@mso.umt.edu

Office Hours: Mondays 2-5pm and by appointment

Teaching Assistant: Kirsten Green

Office: 240 Social Sciences

Email: kirsten.green@umconnect.umt.edu

Office Hours: Wednesday 12-3 & 4-5pm, Thursday 8-9, Friday 12-2

COURSE GOALS AND PURPOSE:

Students will engage in lab based activities involving human genetics and processes of evolution, biology and behavior of non-human primates, human evolution, and modern human adaptation and variation, in order to understand the basic fields of research in physical anthropology. An in-depth coverage of how to generate, test, and report on scientific hypotheses will accompany each of these topics. While this course is designed to stand on its own, the material covered is closely linked with that in ANTY210 (Introduction to Physical Anthropology).

Upon successful completion of this course, you will:

- Understand the scientific method and how it is applied in physical anthropology.
- Understand the theoretical foundations of physical anthropology.
- Understand the principles of human genetics and the process and mechanisms of evolution.
- Be able to observe and evaluate data on the biology and behavior of non-human primates.
- Be able to observe and evaluate data on human evolution and modern human variation.

COURSE STRUCTURE AND GRADING:

The grading structure is as follows:

Item	Value	Total Points Possible
Lab exercises	10 points each	130 points
Participation	5 points each	65 points

Please note that a handout will be provided on the class Moodle website which you are **required** to print and bring with you to each class. Failure to do so will result in points (at least 2 per assignment) docked from your assignment.

Lab exercises: There are 14 lab sessions, 12 of which with lab exercises that will be due at the beginning of the following class. Each lab will fully explain what is required of you. Any

questions can be directed to your professor or TA. It is expected that you will attend and participate in the lab exercise and submit assignments from **all** 14 labs; nevertheless your final grade will be based on performance on your best 13 lab exercises (**the lowest score will be dropped**).

Lab reports: Most of the labs will require that you turn in a typed report. In order to ensure that grading time is minimized and papers are easy to read, please follow these standards: 12pt Times New Roman font, double spaced, one-inch margins, black ink, with your name and student ID number included. Failure to comply with these standards will result in loss of points.

Participation: General attendance and participation in each lab will be noted and scored. Following guidelines and completing the lab activity will in most cases result in full credit for attendance, however disruptive and disrespectful behavior will be noted and will lead to loss of points. Please note that it is essential that **you attend the section you are enrolled in**, unless prior approval has been obtained.

Attending other sections: There are five sections of this course and attendance of the section you are enrolled in is highly recommended. On rare occasions where this is not possible, please email **both** your TA and professor in order to arrange another section to attend. This must be done at least a day in advance. Switching sections should be a rare occurrence.

HOW TO SUCCEED IN MY CLASS

There are several attributes held in common among students who have successfully completed this lab course. In order to do well, it is suggested you:

1. Attend all classes
2. Bring printed handouts to each class
3. Read handouts before attending
4. Carefully complete the assignment
5. Write a clear and concise report on findings following the above guidelines
6. Ask questions whenever confused

CODE OF ACADEMIC CONDUCT:

With regard to academic dishonesty, this class has a zero-tolerance policy and will promptly deal with any acts of academic dishonesty (cheating, plagiarism, or unauthorized help on assignments, etc.) according to university policy. For further information on what falls into these categories see: http://life.umt.edu/vpsa/student_conduct.php. If you have questions or concerns, please feel free to contact the instructor.

STUDENTS WITH DISSABILITIES:

Students with disabilities may request reasonable modifications by contacting me. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. (For other options see <http://www.umt.edu/disability>).

LAB SCHEDULE AND ASSIGNMENTS:

Lab	Meeting	Topic
1	Aug. 27, 28, 29	Introduction to course (lab to be completed in class)
2	Sep. 3, 4, 5	The scientific method
3	Sep. 10, 11, 12	Altruism
4	Sep. 17, 18, 19	Human genetics and HWE
5	Sep. 24, 25, 26	Primate osteology
6	Oct. 1, 2, 3	Non-human primates
7	Oct. 8, 9, 10	Human Mate Choice
8	Oct. 15, 16, 17	Radiometric Dating
9	Oct. 22, 23, 24	Early Hominins
10	Oct. 29, 30, 31	Early <i>Homo</i>
11	Nov. 5, 6, 7	Modern Human Origins
12	Nov. 12, 13, 14	Race
13	Nov. 19, 20, 21	Anthropometrics
-	Nov. 26, 27, 28	No Class
14	Dec. 3, 4, 5	Forensic Anthropology (lab to be completed in class)