

# Anthropology 213 (ANTY 213) Fall 2017

## Physical Anthropology Lab

### **Instructors: Kirsten Green, PhD**

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Office hours: Monday/Wednesday/Friday 1-4pm, Tuesday & Thursday by appointment



### **Rachel Summers, MA**

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**Course Objectives:** 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**

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 have written lab reports that will be due at the beginning of the following class (i.e. the report for Lab 2 will be turned in at the beginning of lab 3; see reports section below). 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.

#### *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. The lowest report grade will be dropped. You may NOT turn in a report for a lab you missed. Late or emailed reports will NOT be accepted.

You may drop your lowest lab report grade. For instance, there are a total of 14 lab reports that are each worth 10 points. The maximum grade for lab reports is 130 points or 13 reports. Therefore, you may drop or opt to not turn in one lab and still receive full credit.

#### *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. If you miss class due to illness you may get the participation points waived if you provide a doctor's note. The lowest participation grade will be dropped.

Attending other sections: There are 6 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.

#### **Grading**

The grading structure is as follows:

Lab exercises	10 points each <b>130 points</b>
Participation	5 points each <b>65 points</b>

Final grades will be assigned as follows:

98-100% A  
94-97% A  
90-93% A-  
87-89% B+  
84-86% B  
80-83% B-  
77-79% C+  
74-76% C  
70-73% C-  
-67-69% D+  
64-66% D  
60-63% D-  
below 60% F

#### **General policies**

1. Attendance is required.

2. There will be NO make-up labs. If you miss lab you may NOT turn in a report for that lab and you will forfeit the participation and report points.
3. Qualified students with disabilities needing appropriate academic adjustments should contact the 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>).
4. Academic dishonesty will be dealt with in accordance with university policies.
  - **Cheating** on labs will result in an F in the course.
  - **Plagiarism** is a form of cheating. It is defined in the Macmillan Dictionary as “the process of taking another person’s work, ideas, or words, and using them as if they were your own.” If you plagiarize any assignment, you will receive a zero for the assignment and an F in the course. We are experts at detecting plagiarism.
5. Students must retain all material distributed in class and online. It is especially important that students retain all graded assignments. If a student has a grade dispute, he/she will be required to produce the disputed graded assignment(s).

### **Course Schedule**

Week 2: Lab 1-Introduction to course (lab to be completed in class)

Week 3: Lab 2-The scientific method

Week 4: Lab 3-Altruism

Week 5: Lab 4-Human genetics and HWE

Week 6: Lab 5-Primate osteology

Week 7: Lab 6-Non-human primates

Week 8: Lab 7-Human Mate Choice

Week 9: Lab 8-Radiometric Dating

Week 10: Lab 9-Early Hominins

Week 11: Lab 10-Early Homo

Week 12: Lab 11- Modern Human Origins

Week 13: THANKSGIVING BREAK – NO-LAB

Week 14: Lab 12-Race

Week 15: Lab 13- Anthropometrics

Week 16: Lab 14-Forensic Anthropology (lab completed in class)

**\*THERE IS NO FINAL FOR THIS CLASS\***