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ANTY 513.01: Seminar in Bioarchaeology and Skeletal Biology

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ANTY

Seminar in Bioarchaeology
& Skeletal Biology



513

Monday's 2:00-4:50pm
Room SS 252

Course Details

Dr. Kirsten Green Mink

Email: kirsten.green@umontana.edu

Office: SS 217

Office Hours: Mon. 10:00-12:00 & 1:00-2:00pm,
or by appointment

Course Text & Other Material

Biological Anthropology of the Human Skeleton, 3rd ed.
Ed's: MA Katzenburg & SR Saunders. 2008. Wiley Press.

Additional course material may include pdf articles or scanned chapters from other books. These will be made available to everyone via the Moodle page for this class.

Course Description

This course is designed to delve deeper into the world of Bioarchaeology! This includes previous research, the big names in bioarchaeology, the theories that lead to our research questions, and how we can contribute to the future of bioarchaeology. This course will be individually focused where each student will choose a topic of their choice to pursue for the semester. They will write a proposal, present on research, conduct analyses, and discuss their findings with the class. Students are also asked to give feedback to each other in a respectful and constructive way during class periods.

This class will require several presentations by each student on their project of choice. Presentations 2-4 will include a power-point presentation and presentation 4 will include assigned readings for the class given at least one week prior to scheduled presentation date. The goal of this class is to conduct a bioarchaeological research project from creation to completion, or to aid in a current thesis or dissertation project. All assigned readings must be done BEFORE class in order to facilitate useful discussion.

Course Objectives

- Create a bioarchaeological project, or a project with a bioarch aspect
- Create a proposal for your project – this will hopefully be your MA thesis or something that contributes to it.
- Present data and statistics used for your project & lead discussion topics on your areas of interest
- Be able to intelligently discuss with classmate's project outcomes (both yours and other students)
- Be well informed on previous research, theoretical bases, and future trends in bioarchaeology.

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.umn.edu/vpsa/student_conduct.php. If you have questions or concerns, please feel free to contact your professor.

Students with Disabilities

Students with disabilities may request reasonable modifications by contacting me. The University of Montana assures equal access to instruction for students with disabilities in collaboration with instructors and Disability Services for Students, which is located in Lommasson Center 154. The University does not permit fundamental alterations of academic standards or retroactive modifications.

Assignments & Presentations

Reflection Paper – Reflection paper on the assigned article not to exceed 4 pages with citations. Typed, double spaced, AJPA format and citations, Times New Roman size 12.

10 points

First Presentation: Project Idea – Informal round-table where we discuss each person's project idea. The goal is for each student to get constructive feedback on their project in order to pursue that chosen line of study. Each project will need to have a readily accessible data set in order for statistics to be run. This is not a PowerPoint presentation – verbal only. You will be asked to describe the data set, the variables you plan on looking at, potential research questions, and potential statistics.

10 points

Second Presentation: Research Questions & Broader Impacts – This presentation will be a PowerPoint presentation in front of the class not to exceed 15mins. Each student will have 10mins to present their research questions and broader impacts for their project, and then another 5mins for questions.

Turn in a typed document with your research questions and broader impacts (no more than 2 pages double spaced).

20 points

Materials & Methods section: The material and methods section of your report is **DUE 3/23** in class. This paper will be no more than 2 pages double spaced, describing the sample, the statistics, and proper citations of the material.

10 points

Third Presentation: Preliminary Analysis – This presentation will be a PowerPoint presentation in front of the class not to exceed 30mins. Each student will have 30mins to present their materials and methods and the preliminary findings for their statistics, then 10mins for questions. This presentation will include the preliminary findings for their data set, explanation of the statistics chosen for the project, and will include one article for the class to read for discussion.

Students will assign an article and email a pdf to the instructor 1 week prior to presentation.

40 points

Final Presentation: Final Project – This presentation will be a powerpoint presentation in front of the class not to exceed 40min. Each student will have 40mins to present their final project including their research questions, broader impacts, materials, methods, results, and findings. Then 5min for questions and discussion.

60 points

Final Paper – This paper is to be turned in at our Finals Party Wednesday 5/6 at 3:30pm. The final paper should be a culmination of the semesters work that includes and introduction, research questions, broader impacts, materials, methods, analysis (including graphs and stat outputs), discussion, and works cited sections. The paper will be double spaced, 7 – 10 pages in AJPA format.

80 points

Missed/Late Assignments

Late and/or missed assignments will not be accepted. If you have a legitimate reason (i.e. death in the family, hospital stay, etc...) for missing a presentation you may contact me to discuss reasonable accommodation and provide a doctor's note. If you know in advance that a presentation date will not work for you please let me know a.s.a.p so we can reschedule you. There will be no retroactive grade changes.

Course Schedule & Readings

Bio Anth – Katzenburg & Saunders 2018

Moodle – reading uploaded on Moodle

Student – Reading assigned by the student leading discussion, may be uploaded to Moodle or from class text

- **Week 1** – 1/13 Syllabus, Questions, Timeline, Project Ideas
- **Week 2** – 1/20 NO CLASS – MLK Jr. Day
- **Week 3** – 1/27 Bioarch creation story and ethics

Reflection Paper DUE

Readings - Bio Anth – Ch. 1 & Moodle – Knudson & Stojanowski, 2008;

- **Week 4** – 2/3 Types of Bioarch Research 1 – Trauma & Pathology

Readings: Bio Anth - Ch. 9 – 13

- **Week 5** – 2/10 Types of Bioarch Research 2 – Chemical & Molecular

Readings: Bio Anth – Ch. 14 - 16

- **Week 6** – 2/17 NO CLASS – Presidents Day

- **Week 7** – 2/24 6 presentations - Project Idea Roundtable Presentation #1

Guest Lecture - Katie Baca

- **Week 8** – 3/2 6 presentations - Research Questions & Broader Impacts Presentation #2

Questions & Impact statement DUE

- **Week 9** – 3/9 Bioarch Statistics - SSRL 258, Chuck Harris (*3:30-5:00)

MUST have data set available!!!

- **Week 10** – 3/16 NO CLASS – Spring Break

- **Week 11** – 3/23 Guest Lecture - Rachel Summers

Materials & Methods draft DUE

- **Week 12** – 3/30 3 presentations – preliminary analysis Presentation #3

Readings - Students

- **Week 13** – 4/6 3 presentations – preliminary analysis Presentation #3

Readings - Students

- **Week 14** – 4/13 Bioarch Statistics - SSRL 262

(must have data mined and ready for analysis)

- **Week 15** – 4/20 3 presentations – Final Presentation #4

- **Week 16** – 4/27 3 presentations – Final Presentation #4

- **FINALS Wednesday 5/6 3:30 FINALS PARTY!!! 3:30-5:20pm SS 252 Papers DUE!**

