

Spring 2-1-2018

# ANTY 513.01: Seminar in Bioarchaeology & Skeletal Biology

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# ANTY 513

## Graduate Seminar in Bioarchaeology

### Spring 2018

#### Course Details:

Dr. Kirsten Green

Email: [kirsten.green@umontana.edu](mailto:kirsten.green@umontana.edu)

Office: SS 217

Office Hours: Wed. 10:00-2:00pm, or by appointment

Class Meetings: Wednesdays @ 2:00-4:50pm, SS 252



**Course Texts:** Biological Anthropology of the Human Skeleton, 2<sup>nd</sup> ed. Ed's: MA Katzenburg & SR Saunders. 2008. Wiley Press.

**Other Course Material:** 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. These presentations will include a power-point presentation and 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.

#### Presentations:

First Presentation: Project Idea – informal roundtable 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 dataset in order for statistics to be run.

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 10mins15mins to present their research questions and broader impacts for their project, and then another 5-10mins for questions.

- The student will also turn in a typed document with their research questions and broader impacts.
- 20 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 another 10mins for questions. This presentation will include the preliminary findings for their data set/project, 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 45min. Each student will have 45mins to present their final project including their research questions, broader impacts, materials, methods, results, and findings. Then 20min for questions and discussion.

- 60 points

Final Paper – This paper is to be turned in at our Finals Party Monday 5/7 at 3:30pm. The final paper should be a cumulation 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, minimum 7 pages (can be more!) in AJPA format. AJPA author guidelines will be on Moodle.

- 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.

**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](http://life.umt.edu/vpsa/student_conduct.php). If you have questions or concerns, please feel free to contact your professor.

**Students with Dissabilities**

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.

**Course Schedule & Readings**

Bio Anth – Katzenburg & Saunders 2008

Moodle – reading uploaded onto Moodle

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

<b>Week/Date</b>	<b>Topic/Discussion</b>	<b>Reading</b>
Week 1 – 1/24/18	Syllabus, Questions, Timeline, Project Ideas	Bio Anth - Ch. 1

Week 2 – 1/31/18	Bioarch creation story and ethics	Moodle – Knudson & Stojanowski, 2008
Week 3 – 2/7/18	6 presentations - Project Idea Roudtable & Potluck	
Week 4 – 2/14/18	Types of Bioarch Research – Mortuary & Demographics	Bio Anth – Ch. 11 & 18
Week 5 – 2/21/18	6 presentations - Research Questions & Broader Impacts	
Week 6 – 2/28/18	Bioarch Statistics	
Week 7 – 3/7/18	Types of Bioarch Research – Chemical & Molecular	Bio Anth – Ch. 13 & 15
Week 8 – 3/14/18	3 presentations – preliminary analysis	Students
Week 9 – 3/21/18	3 presentations – preliminary analysis	Students
Week 10 – 3/28/18	CLASS CANCELED - SPRING BREAK	
Week 11 – 4/4/18	Guest Lecture – aDNA Rachel Summers	Student
Week 12 – 4/11/18	CLASS CANCELED – SAA’s	
Week 13 – 4/18/18	2 presentations – Final Presentation	
Week 14 – 4/25/18	2 presentations – Final Presentation	
Week 15 – 5/2/18	2 presentations – Final Presentation	
Week 16 – Monday 5/7/18	FINALS PARTY!!! 3:30-5:20pm Papers DUE!	