

University of Waterloo
ANTH 377: Dental Anthropology
Fall 2019

Lectures: Tuesdays & Thursdays 1:00–2:20pm
Location: PAS 2271



Contact Information:

Instructor: Dr. Alexis Dolphin
Office: PAS 2015
Office Phone: 519-888-4567 x32603
Office Hours: Wed 11:00 to 1:00pm in PAS 2271, or by appt
Email: adolphin@uwaterloo.ca

T.A.	Julia Tucciarone	Office Hours	TBD
Email	TBD		

Course Description

The goal of this lab-intensive course is to explore the subfield of biological anthropology known as Dental Anthropology, or the study of teeth. This course will focus on the close study of human dentitions in order train students in the identification of teeth. It will also provide students with the skills required to reconstruct various aspects of human life in the past, and for monitoring the health of contemporary populations, using teeth. This course will build upon an introduction to dental anatomy in ANTH 355, and prepare students for further advanced study in ANTH 455.

Course Goals and Learning Outcomes

Upon completion of this course, students should be able to:

- A. Identify whole, fragmentary, developing, and worn permanent and deciduous human teeth
- B. Understand the growth and development of dental tissues and their microstructures
- C. Apply their knowledge of dental variation to the reconstruction of human experience in past and present populations
- D. Engage critically with scientific literature during class discussion and in written work

Required Text

- “Dental Anthropology” by Simon Hillson (1996).

The required text is available at the University of Waterloo bookstore. Additional readings and relevant websites will be available on LEARN.

Course Requirements and Assessment

<u>Assessment</u>	<u>Due Date</u>	<u>Weighting</u>
Test #1	Sept 26	15%
Test #2	Oct 24	15%
Test #3	Nov 14	15%
Research Proposal	Oct 29	5%
Poster Presentation	Nov 26 (Group A); Nov 28 (Group B)	15%
Grant Proposal	Dec 5	35%
Total		100%

Tests (3 @ 15% each; 45% of final grade)

Three tests will be completed by each student in this course on the following dates: **Sept 26, Oct 24, and Nov 14**. Each test will focus primarily on the course material from the previous 2-3 weeks, yet it may also include a few questions regarding material covered previously in the course. There are no make-up tests, unless you have a documented illness, emergency, or University-sponsored event where you must miss a regularly scheduled test. Please contact me immediately if such a situation arises. Also see “Late Work” policy below.

Research Proposal (5%)

Students will hand-in a short proposal outlining the potential research question that they would like to pursue as they prepare for completion of their Poster Presentations and Grant Proposals. Due on October 29, this 1-2 page proposal (including references cited) must be double-spaced, have numbered pages, use Times New Roman 12pt font, have 1” margins, follow the APA style, and include a cover page bearing the proposed title of your research project.

Poster Presentation (15%)

Each student will participate in a Poster Presentation that communicates key information regarding the proposed research that they will later fully develop when writing their Grant Proposals. Students will be split into two groups (A and B) and present on either Nov 26 or 28. More details regarding structure and content of posters will be discussed upon return of the Research Proposals.

Grant Proposal (35%)

Your major end of term project will be an authentic grant proposal that is worth 35% of your final grade. Your grant proposal will explore how dental anthropology could be used to answer a research question that is meaningful to you. Further details and resources, including sample grant proposals, will be discussed in class and posted on LEARN. A hardcopy of the Grant Proposal is due to Dr. Dolphin by 3:30pm on **December 5th**. A digital copy must be uploaded on LEARN by midnight that same day.