APPLIED ARTS DIVISION
School of Liberal Arts
Fall, 2017

COURSE OUTLINE

ANTH 101

BIOLOGICAL AND FORENSIC ANTHROPOLOGY

3 CREDITS

PREPARED BY: N. A. Easton DATE: 10 July 2017

APPROVED BY: Andrew Richardson DATE:

APPROVED BY ACADEMIC COUNCIL: (date)

RENEWED BY ACADEMIC COUNCIL: (date)

APPLIED ARTS DIVISION
ANTH 101
3 Credit Course
Fall Semester, 2017

BIOLOGICAL AND FORESNSIC ANTHROPOLOGY

INSTRUCTOR: Norman Alexander Easton, M.A.

OFFICE LOCATION: A2410

E-MAIL: neaston@yukoncollege.yk.ca

TELEPHONE: Office: 668-8770

OFFICE HOURS: Tu 10:30-Noon or by apt.

CLASSROOM: A2801

TIME: M/W 2:30 – 4:00 p.m. & W lab 4:00 – 5:30 p.m.

DATES: Sept 6 – Dec 20, 2017

COURSE DESCRIPTION

A general introduction to the field of biological anthropology, its contributions to our understanding of human evolution and behaviour, and its application within forensic science. Students must also register in ANTH 101L, the mandatory lab component of this course.

PREREQUISITES

None.

RELATED COURSE REQUIREMENTS

This course provides a broad review of the principles and facts of human evolution and adaptations. The first half of the course examines the biological principles of evolutionary theory, population genetics, human variation and our taxonomic relationship with and sociality of the other extant primates. The second half of the course will focus on the evidence for the evolution of primates, hominids, and hominins in the existing fossil record, the migration of the Genus Homo throughout the globe, and the biological effects on our species of cultural/technological change since the advent of agriculture. A term paper will allow students to explore a topic in the discipline in more detail while Laboratory exercises will develop students' technical skills in the application of theory to practical problems.

EQUIVALENCY OR TRANSFERABILITY

AU ANTH 278 (3) CAMO ANTH 100 lev (3) TRU ANTH 1110 (3)
TRU ANTH 111 (3) TRU-OL ANTH 1XX1 (3) TWU ANTH 100 lev (3)
UBC ARCL 140 (3)
UNBC ANTH 1XX (3); YUKO ANTH 101 & ANTH 103 = UNBC ANTH 102 (3) & UNBC ANTH 1XX (3)
UVIC ANTH 100 lev (3) UAS Elec (3)

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to:

- Understand the philosophy and methods of the scientific exploration of our evolutionary history through time;
- Understand the biological mechanisms of inheritance, adaptations, and evolutionary change;
- Understand the principles of systematics, taxonomy, and our primate heritage.
- Have a broad understanding of the evidence for and theories of explanation of the evolutionary history of the Genus Homo;
- Gain proficiency in basic laboratory methods related to the treatment, measurement, identification, and analysis of skeletal remains.

COURSE FORMAT

Classes will consist of lectures and discussions on the current week's topic and weekly laboratory lectures and assignments.

ASSESSMENTS
Grades for ANTH 101 will be assigned based on the percentile equivalent of student achievement in the following:

Attendance and Participation	30 marks
Laboratory Assignments	120 marks
Term Paper	50 marks
Final Exam	100 marks
Total Marks	300 marks

Attendance & Participation
Regular attendance will be graded out of 10 marks; informed participation in class discussions will be worth up to 20 marks.

Assignments

Laboratory Assignments

Students will undertake a weekly laboratory assignment consisting of an introductory lecture and instruction in methods followed by a practical application to a set of questions provided in the course lab manual and workbook. Scores on each lab will be prorated at the equivalent of 10 course marks.

Term Paper

Choosing from a list of options provided by the Instructor, Students will prepare a term paper which explores a topic in bioanthropology in further detail, appropriately referencing a minimum of 6 peer reviewed scientific papers or texts on the topic.

Tests

Final Exam

A comprehensive final examination will be written during the examination period at the end of term. Multiple Choice, True/False, and Short Answer Questions will be drawn from the Course Textbook website quiz bank, allowing students to focus their study in advance. A preview of the required and alternative essay responses will be provided to students prior to the examination.

EVALUATION

Lab Assignments 120 marks	40%
Term Paper 50 marks	17%
Participation 30 marks	10%
Final Exam 100 marks	33%
Total 300 marks	100%

REQUIRED TEXTBOOKS AND MATERIALS

In order to keep down student and environmental costs the primary text will be available as an EBOOK bundled with the Laboratory Workbook. Your purchase will provide you access to additional learning material related to the course (including Final Exam quiz questions) via the publisher's website:
https://digital.wwnorton.com/essanthro3

- Larson, Clark Spencer. Our Origins – Discovering Physical Anthropology. Fourth Edition. EBOOK
- Soluri, K. Elizabeth and Sabrina C. Agarwal. Laboratory Manual and Workbook for Biological Anthropology. Looseleaf text

Additional supplementary readings on recent discoveries and issues not covered by the text will also be assigned.

ACADEMIC AND STUDENT CONDUCT

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/ Admissions & Registration web page.

PLAGIARISM

Plagiarism is a serious academic offence. Plagiarism occurs when students present the words of someone else as their own. Plagiarism can be the deliberate use of a whole piece of another person's writing, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material. Whenever the words, research or ideas of others are directly quoted or paraphrased, they must be documented according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Resubmitting a paper which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the College.

YUKON FIRST NATIONS CORE COMPETENCY

Yukon College recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon College program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukoncollege.yk.ca/yfnccr.

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC) at (867) 668-8785 or lassist@yukoncollege.yk.ca.

ANTHROPOLOGY 101 – BIOLOGICAL AND FORENSIC ANTHROPOLOGY
COURSE TOPICS AND LABS BY WEEK (FALL 2017)

Week	Topic/Readings/Labs
1	What is Physical Anthropology? Chapter 1 Labs: 1: Biological Anthropology and the Scientific Method
2	Evolution – Chapter 2 Labs: 5: Introduction to the Skeleton AND 6: Bones of the Skeleton
3	Genetics – Chapter 3 Lab: 2: Genetics
4	Population Genetics – Chapter 4 Lab: 3: Inheritance AND Lab: 4: Forces of Evolution
5	Human Variation – Chapter 5 Lab: 8: Modern Human Variation
6	The Primate Order – Chapter 6 Lab: Lab 10: Overview of the Living Primates
7	Primate Behaviour – Chapter 7 Lab: Lab 11: Primate Behavior
8	Understanding Fossils – Chapter 8 Lab: Lab 9: Classification AND Lab 12: Comparative Primate Anatomy
9	Primate Origins – Chapter 9 Lab: 13: Primate Evolution Lab
10	Hominin Origins – Chapter 10 Lab: 14: Identifying the Human Lineage
11	Emergence of Genus Homo – Chapter 11 Lab: 15: The Australopithecines and Early Members of the Genus Homo
12	Emergence of Modern Humans – Chapter 12 Lab: 16: Later Members of the Genus Homo
13	The Last 10,000 years – Chapter 13