

San José State University
COSS/ANTH
ANTH012, Introduction to Human Evolution, Section 1, Spring 2017

Course and Contact Information

Instructor:	Dr. Elizabeth Weiss
Office Location:	CL404R
Telephone:	(408) 924-5546
Email:	Elizabeth.Weiss@sjsu.edu
Office Hours:	TR 1045 – 1145 and 1330 – 1445 (or by appointment)
Class Days/Time:	TR 1200 – 1315
Classroom:	WSQ207
GE/SJSU Studies Category:	B2/Life Science

Course Description

The human organism from an evolutionary perspective. The foundations of life and evolutionary theory. Introduction to primate behavior and the fossil record. Human biocultural evolution over the last sixty million years. There are no prerequisites to take this course.

Learning Outcomes and Course Goals

GE Learning Outcomes (GELO)

To fulfill the GE writing requirement students will write two 3-page (750 words) essays. Each writing assignment is a take-home assignment and will be submitted using turnitin.com and hand in a printed version in class.

Both the writing assignments and exam questions will be utilized to assess GE learning outcomes.

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

- GELO1 use methods of science and knowledge derived from current scientific inquiry in life or physical science to question existing explanations;
- GELO2 demonstrate ways in which science influences and is influenced by complex societies, including political and moral issues; and
- GELO3 recognize methods of science, in which quantitative, analytical reasoning techniques are used.

Course Goals and Student Learning Objectives

The most important contribution this course can make to your education is to provide you with greater ability to think critically. This skill will contribute permanently to your further education and for the rest of your life.

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

CLO 1 explain the evolutionary process, how it works, and how scientists have come to understand the process (specifically to understand ourselves).

CLO 2 describe the evolutionary history of our species and the biological bases that are at the foundation of this process.

CLO3 comprehend basic biological knowledge relating to molecular biology, cell reproduction, fundamental principles of micro- and macro-evolutionary theory (especially the role of natural selection), and the intellectual background leading to the development of evolutionary theory.

CLO4 explain from a comparative perspective how humans are related to other primates (and what this implies structurally, physiologically, and behaviorally).

Required Texts/Readings

The Human Organism: Explorations in Biological Anthropology (First Edition); edited by Elizabeth Weiss

PRINT PRICE: \$85.95

DIGITAL PRICE: \$77.95

Published by: Cognella Publishers

Purchase at <https://students.universityreaders.com/store/> or at the University bookstore

Course Requirements and Assignments

Preparation and participation requirements. Read the text prior to coming to class and come with questions.

Map assignments. There will be 3 homework map assignments. Maps must be turned in on time and at the beginning of class.

Exam requirements. There will be five reading quizzes, a midterm, and a comprehensive final exam. Exam questions are designed to assess course and GE learning objectives.

Writing requirements. There will be two 750-word papers. Writing assignments must be turned in both as a printed version at the beginning of class and to Turnitin.com before class begins on the scheduled due date.

Topics and requirements will be discussed in detail in class and are designed to address the GE learning objectives. Writing assignments will be graded in accordance to GE guidelines, which states that “writing shall be assessed for grammar, clarity, conciseness and coherence.”

You will be required to enroll in turnitin.com. The required information to do so is:

Class ID: 14292822

Class Name: ANTH012_Spring2017

Password: hominid

Grading Policy

To pass this course, you must receive a grade of D- or higher.

Students should keep track of their grades, which entails picking up writing assignments and exams in a timely manner. I will bring graded assignments to class or students can come to my office to pick them up. If you have any grade issues, you must come to my office to discuss them.

Grades will be based on the following (each is graded on a scale of 100):

Writing Assignment 1	1 X 5%	=	5%
Writing Assignment 2	1 X 10%	=	10%
Map Assignments	3 X 05%	=	15%
Reading Quizzes	5 X 04%	=	20%
Midterm	1 X 20%	=	20%
Final Exam	1 X 30%	=	30%
Total			100%

Grading is as followed:

A	B	C	D	F
97% - 100% = A+	87-89% = B+	77-79% = C+	67-69% = D+	Below 60% = F
91-96% = A	81-86% = B	71-76% = C	61-66% = D	
90% = A-	80% = B-	70% = C-	60% = D-	

Make-up Work: If you know in advance that you are unable to attend an exam, contact me to set up a time to take the exam prior to its scheduled date. Only students with a valid documented excuse will be able to take an exam (including the final) or submit an assignment late. The final will be given on the scheduled time.

Final Examination

[University Policy S06-4](http://www.sjsu.edu/senate/docs/S06-4.pdf) (<http://www.sjsu.edu/senate/docs/S06-4.pdf>) states that “There shall be an appropriate final examination or evaluation at the scheduled time in every course, unless the course is on the official List of Courses in which a final is optional.”

Classroom Protocol

I consider my students adults. Attendance is optional. When one attends lecture, one should behave appropriately and pay attention. If one feels that they cannot pay attention for the entire period (for whatever reason), then one should not attend class.

University Policies

Course Requirements and Assignments

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' Syllabus Information web page at <http://www.sjsu.edu/gup/syllabusinfo/>.

ANTH012-02 / Introduction to Human Evolution, Spring 2017, Course Schedule

Course Schedule

Week	Date	Topics, Readings, Quizzes, Assignments, Exams, Due Dates
1	1/26	Topics: Introduction to Course; Fields of Anthropology
2	1/31	Topic: History of Evolutionary Theory Reading: Chapter 1: pp. 1-12
2	2/2	Topic: Natural Selection Reading: Chapter 1: pp. 1-13
3	2/7	Topic: Evidence of Evolution Reading: Reading 1: pp. 14-28 and Reading 2: pp. 40-48 Quiz 1: On Reading 1 or Reading 2
3	2/9	Topic: Evolutionary family trees Reading: No reading, time to catch-up on readings.
4	2/14	Topic: Mendelian Genetics Reading: Chapter 2: pp. 29-37
4	2/16	Topic: Modern Synthesis Reading: Chapter 2: pp. 29-37
5	2/21	Topic: Cells, DNA, and Protein Synthesis Reading: Chapter 3: pp. 49-55
5	2/23	Topic: Molecular Anthropology Assignment Discussed: Writing Assignment 1 Reading: Chapter 3: pp. 55-58; Reading 3: pp. 60-69 Quiz 2: On Reading 3
6	2/28	Topic: General Primate Characteristics Assignment Discussed: Primate Map Reading: Chapter 4: pp. 73-76
6	3/2	Topic: Prosimians and Tarsiers Reading: Chapter 4: pp. 76-79; Reading 4: 92-107 Quiz 3: On Reading 4
7	3/7	Topic: New World Monkeys Reading: Chapter 4: pp. 79-82
7	3/9	Topic: Old World Monkeys Reading: Chapter 4: pp. 82-85
8	3/14	Topic: Apes Reading: Chapter 4: pp. 85-90

Week	Date	Topics, Readings, Quizzes, Assignments, Exams, Due Dates
		Assignment Due: Primate Map Assignment
8	3/16	Topic: Primates as Models for Human Evolution Reading: Reading 5: pp. 108-116 and Reading 6: pp. 118-123 Assignment Due: Writing Assignment 1
9	3/21	Midterm Review
9	3/23	Midterm
10	3/28	SPRING BREAK
10	3/30	SPRING BREAK
11	4/4	Topic: Fossils Assignment Discussed: Writing Assignment 2 Reading: Chapter 5: pp. 127-130
11	4/6	Topic: Contenders for the earliest hominid Assignment Discussed: Early Hominid Map Reading: Chapter 5: pp. 130-135
12	4/11	Topic: Australopithecines: Graciles and Robusts Reading: Chapter 5: pp. 135-140
12	4/13	Topic: <i>K. platyops</i> and Early <i>Homo</i> and Oldowan tools Reading: Chapter 5: pp. 140-144; Reading 7: pp. 146-150 Quiz 4: On Reading 7
13	4/18	Topic: Finishing early hominids: Australopithecus, Paranthropus, Kenyanthropus, and Homo Reading: No reading, time to catch up on readings. Assignment Due: Early Hominid Map Assignment
13	4/20	Topic: <i>Homo erectus</i> and sibling species Assignment Discussed: <i>Homo sp.</i> Map Reading: Chapter 6: pp.151-158
14	4/25	Topic: <i>Homo heidelbergensis</i> Reading: Chapter 7: pp. 161-164
14	4/27	Topic: Neanderthals Reading: Chapter 7: pp. 164-168 Assignment Due: Writing Assignment 2
15	5/2	Topic: Origins of Modern Humans Reading: Chapter 7: pp. 168-170; Reading 8: pp. 172-184 and Reading 9: 186-194 Assignment Due: <i>Homo sp.</i> Map Assignment
15	5/4	Topic: Human Variation Reading: Chapter 8: pp. 197-199; Reading 10: pp. 210-226 and Reading 11: pp.

Week	Date	Topics, Readings, Quizzes, Assignments, Exams, Due Dates
		228-233 Quiz 5: On Reading 10 or Reading 11
16	5/9	Topic: Human Adaptation and Acclimatization Reading: Chapter 8: pp. 200-204; Reading 12: 234-242
16	5/11	Topic: Human Life Cycle Reading: Chapter 8: pp. 204-208
	5/16	Final Review
Final Exam	5/24 Wednesday	WSQ 207; 0945-1200