

# ANTHRO-1L

## Biological Anthropology Lab

Santa Rosa Junior College – Santa Rosa Campus

Fall 2017 – Section: 0892

**Instructor:** Dr. Nicole Wilson, email: [nwilson@santarosa.edu](mailto:nwilson@santarosa.edu)

**Course Dates & Times:** M/W 7:15-8:45pm

**Room:** 1594 Emeritus Hall

**Office Hours:** Mondays 6:00-7:00pm, SR Campus, Room 1542. Also available by appointment.



This is an introductory laboratory course that uses scientific methodology to explore and experiment with topics from Introduction to Biological Anthropology (ANTHRO 1) lectures. Major topics to be covered include cell biology, genetics, human osteology, primate anatomy and social behavior, and the human fossil record. Additional topics may include human variability, medical anthropology, forensic anthropology, environmental challenges to hominids, and human impact on the environment.

Course Outline of Record:

[https://portal.santarosa.edu/SRweb/SR\\_CourseOutlines.aspx?CVID=36379&Semester=20167](https://portal.santarosa.edu/SRweb/SR_CourseOutlines.aspx?CVID=36379&Semester=20167)

### **STUDENT LEARNING OUTCOMES:**

As a result of successful completion of this course, a student will be able to:

- 1) Distinguish scientific methodology from other methods of evaluation or thinking.
- 2) Distinguish a variety of primate and/or hominid evolutionary patterns over time.
- 3) Assemble and organize specimens and/or models used in physical anthropology (skeletal, dental, genetic).
- 4) Evaluate and debate social, cultural, environmental, and other influences on hominid adaptation and survival over time.

### **Required Texts:**

2014. Soluri, K. Elizabeth and Sabrina C. Agarwal. *Laboratory Manual and Workbook for Biological Anthropology: Engaging With Human Evolution*. W.W. Norton & Company.

### **Course Requirements:**

Your grade will be based on a combination of attendance/class participation, concept review worksheets, lab exercises, and three examinations (multiple choice, true/false, fill-in, and short answer).

**Participation/Attendance** = Engage in class discussions and in-class group work. Come prepared having read material carefully.

**Concept Review Worksheets** = You are expected to complete the short “concept review questions” worksheets at the end of each chapter after reading the chapter and before coming to class. These worksheets will be **due at the beginning of each class** period and must be **COMPLETE** in order to receive credit. You are allowed to miss **ONE** worksheet before it affects your grade. I will not accept late concept review sheets.

**Lab Exercises** = You are expected to read over the chapters and respective labs **BEFORE** coming to class each day. The lab exercises will be submitted to me at the end of each class and include the critical thinking questions at the end of each section. Late lab exercises will result in lower points scored (5pts. for each day late).

**Exams (1-3)** = Multiple choice, true/false, fill-in and short answer (approx. 100 points each). Exam make-ups will not be allowed unless you have a doctor’s note.

**Extra Credit:** You will have a few opportunities to earn extra credit points towards your lowest exam score. These extra credit assignments must be complete and on-time in order to receive credit. See the class schedule for extra credit opportunities.

**Attendance:** You are expected to attend class regularly. You are allowed **ONE** unexcused absence before your grade is affected. You must bring a doctor’s note for absences due to illness. If you miss a class on a day when an exam takes place and have a legitimate excuse (i.e. doctor’s note), you will be allowed to schedule a make-up exam. If you have excessive absences or have a record of nonattendance, I will drop you from the course after I have contacted via email one time.

### **Academic Integrity:**

Santa Rosa Junior College holds students accountable for the integrity of the work they submit. Students should be familiar with the policies for academic integrity and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see the college’s website, specifically, <http://www.boarddocs.com/ca/santarosa/Board.nsf/Public?open&id=policies#>. If I find that you violated the integrity policy, you will receive an F on that assignment, possibly for the course.

### **Drop/Add Deadlines:**

- 8/27/17 - Last day to **register/add** without an instructor's signature or add code
- 9/3/17 - Last day to **drop** a semester-length class and be eligible for a refund.
- 9/10/17 - Last day to **register/add** with an instructor's signature or add code
- 9/10/17 - Last day to **drop** a class without a "W"
- 10/1/17 - Last day to opt for pass/no pass
- 11/19/17 - Last day to **drop** a class with a "W"

### **Academic Accommodations:**

If you need disability related accommodations for this class, please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to the instructor as soon as possible. If you have not received authorization from DRD, please contact them directly. DRD is located in Analay Village on the Santa Rosa campus, and Jacobs Hall on the Petaluma Campus.

### **Campus Emergencies:**

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course can be obtained by contacting me via email or phone.

In the event of an emergency that requires evacuation of the building, please leave the class immediately, but calmly. Our class will meet in parking lot C to make sure everyone got out of the building safely and to receive further instructions. If you are a student with a disability who may need assistance in an evacuation, please see me during my office hours so we can discuss an evacuation plan.

**Behavior During Class:** I expect you to come to class with an open mind and ready to learn. It can be challenging to consider humans from a strictly *scientific* standpoint, but other perspectives are outside the scope of this class. I expect you to be supportive of your fellow classmate's questions and comments.

**Class Disruptions:** We are all adults. I expect appropriate behavior during class. This means your cell phone is on "silent" and is kept in your pocket or bag during class. **IF I SEE YOU USING YOUR PHONE DURING CLASS, YOU WILL RECEIVE A "0" FOR THAT DAY'S ATTENDANCE.** This also means that your headphones or cell phone earpieces are removed from your ears, you are awake, you are not reading (including the textbook), you are not chatting with your classmates while I am lecturing, and you are using laptops appropriately during class (only for note-taking). Everyone deserves an uninterrupted learning experience, so please do your part. I also expect you to arrange childcare for your children and to not bring them into class.

### **Grade Percentage Breakdown:**

Attendance/Participation:	10%
Concept review sheets:	10%
Lab Exercises:	20%
Exam #1:	20%
Exam #2:	20%
Exam #3:	20%

**Grading Scale:**

90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

**Class Schedule****Week One:**

August 21	Welcome, Course Requirements
August 23	Biological Anthropology and Evolutionary Theory <i>Reading:</i> Lab 1 (pg. 5-12) <i>Lab Exercises:</i> 1-3 <i>Assignment Due:</i> Lab 1 Concept Review Questions

**Week Two:**

August 28	Biological Anthropology and Evolutionary Theory <i>Lab Exercises:</i> 4-7
August 30	Biological Anthropology and Evolutionary Theory <i>Lab Exercises:</i> 8-9, Critical Thinking Questions 1-3

**Week Three:**

September 4	<b>NO CLASS- LABOR DAY</b>
September 6	Genetics <i>Reading:</i> Lab 2 (pg. 29-39) <i>Lab Exercises:</i> 3-5, 7, Critical Thinking Questions 4-7 <i>Assignment Due:</i> Lab 2 Concept Review Questions

**Week Four:**

September 11	Genetics <i>Lab Exercises:</i> 1-2, 6, Critical Thinking Questions 1-3
September 13	Inheritance <i>Reading:</i> Lab 3 (pg. 57-65) <i>Lab Exercises:</i> 1-4, 8 <i>Assignment Due:</i> Lab 3 Concept Review Questions

**Week Five:**

September 18	Inheritance <i>Lab Exercises:</i> 5, 7, Critical Thinking 3
September 20	Forces of Evolution <i>Reading:</i> Lab 4 (pg. 77-86) <i>Lab Exercises:</i> 3-5 <i>Assignment Due:</i> Lab 4 Concept Review Questions

**Week Six:**

September 25

Forces of Evolution

***Lab Exercises:*** 6, Critical Thinking Question 5

Exam Review

September 27

Exam #1

**Week Seven:**

October 2

Classification

***Reading:*** Lab 9 (pg. 229-238)

***Lab Exercises:*** 1-3, Critical Thinking Questions 4-5

***Assignment Due:*** Lab 9 Concept Review Questions

October 4

Introduction to the Skeleton

***Reading:*** Lab 5 (pg. 103-111)

***Lab Exercises:*** 1, Critical Thinking Questions 1-2

**Week Eight:**

October 9

Introduction to the Skeleton

***Lab Exercises:*** 2-5, Critical Thinking Questions 5-6

***Assignment Due:*** Lab 5 Concept Review Questions

October 11

Bones of the Skeleton

***Reading:*** Lab 6 (pg. 123-138 – Axial Skeleton)

***Lab Exercises:*** 1-4

***Assignment Due:*** Lab 6 Concept Review Questions

**Week Nine:**

October 16

Bones of the Skeleton

***Reading:*** Lab 6 (pg. 138-149 – Appendicular Skeleton)

***Lab Exercises:*** 5-6, Critical Thinking Questions 3, 6

October 18

Bioarchaeology/Forensic Anthropology

***Reading:*** Lab 7 (pg. 163-183)

***Lab Exercises:*** 1-6

***Assignment Due:*** Lab 7 Concept Review Questions

**Week Ten:**

October 23

Bioarchaeology/Forensic Anthropology

***Lab Exercises:*** 7-8, Critical Thinking Questions 1-2, 7

October 25

Living Primates

***Reading:*** Lab 10 (pg. 249-264)

***Lab Exercises:*** 1-5

***Assignment Due:*** Lab 10 Concept Review Questions

***EXTRA CREDIT OPTION:*** Critical Thinking Question #3  
(Due October 30<sup>th</sup>)

**Week Eleven:**

October 30

Primate Behavior

**Reading:** Lab 11 (Pg. 277-289)

**ZOO FIELD TRIP** (Oakland Zoo 2:00pm-4:00pm) OR Zoo Cam

Primate Observation

**Lab Exercises:** 2-3

November 1

Primate Behavior

**Lab Exercises:** 1, 4-5, Critical Thinking Questions 2-3

**Assignment Due:** Lab 11 Concept Review Questions

**Week Twelve:**

November 6

Comparative Primate Anatomy

**Reading:** Lab 12 (pg. 305-314)

**Lab Exercises:** 1-3

**Assignment Due:** Lab 12 Concept Review Questions

November 8

Comparative Primate Anatomy

**Lab Exercises:** 4-5

Exam Review

**EXTRA CREDIT OPTION:** Critical Thinking Questions 4-5

(Due November 13)

**Week Thirteen:**

November 13

Exam #2

November 15

Primate Evolution

**Reading:** Lab 13 (pg. 331-343)

**Lab Exercises:** 1-2

**Assignment Due:** Lab 13 Concept Review Questions

**Week Fourteen:**

November 20

Primate Evolution

**Lab Exercises:** 3-5

**EXTRA CREDIT OPTION:** Critical Thinking Question 4

(Due November 22)

November 22

Identifying the Human Lineage

**Reading:** Lab 14 (pg. 359-368)

**Lab Exercises:** 1-3

**Assignment Due:** Lab 14 Concept Review Questions

**Week Fifteen:**

November 27

Identifying the Human Lineage

**Lab Exercises:** 4-6, Critical Thinking Question 3

November 29                      Australopithecines and Early Homo  
*Reading:* Lab 15 (Pg. 381-390)  
*Lab Exercises:* 1-3, Critical Thinking Questions 1-2  
*Assignment Due:* Lab 15 Concept Review Questions  
*EXTRA CREDIT OPTION:* Critical Thinking Question 5 (Due December 4)

**Week Sixteen:**

December 4                      Australopithecines and Early Homo  
*Lab Exercises:* 4-6, Critical Thinking Question 3

December 6                      Later Members of the Genus Homo  
*Reading:* Lab 16 (pg. 405-418)  
*Lab Exercises:* 1-6, Critical Thinking Question 7  
*Assignment Due:* Lab 16 Concept Review Questions

**Week Seventeen:**

December 11                      Human Variation  
*Reading:* Lab 8 (pg. 201-211)  
*Lab Exercises:* 1-4  
*Assignment Due:* Lab 8 Concept Review Questions

December 13                      Human Variation  
*Lab Exercises:* 6-7, Critical Thinking Question 6  
Exam Review

**Week Eighteen:**

Wednesday, December 20      Final Exam (7:15-8:45pm), Emeritus Hall 1594