

# ANATOMY 1 Section 3211 ♦ MW - FALL 2017 - SCHEDULE Franceschi

WEEK	DATE	LECTURE TOPIC (MW)	LAB WORK (MW)	LAB MANUAL
1	Aug 21 23	Introduction, Cells Tissues, epithelial	Intro to Anatomy Epithelial tissue	Ch 1 Ch 2
2	28 30	Connective tissue Integumentary system	Connective tissue proper Integument	Ch 3 Ch 4
3	Sep 4 6 8	Labor Day Holiday <b>Midterm A</b> ➔	Skeletal system: axial - skull <b>LAB EXAM 1 - through integument</b>	➔ 10 <sup>th</sup> drop w/o W
4	11 13	Cartilage, bone tissue Skeletal system	Cartilage & bone tissue Skeletal: axial vertebrae	Ch 5 Ch 5
5	18 20 22	Articulations Muscle tissue ➔	Skeletal: appendicular Muscle tissue <b>LAB EXAM 2 - through skeletal system</b>	Ch 5 Ch 6 <u>dissection</u> (M1)
6	25 27	Muscle system Muscle system	Muscle Muscle	Ch 6 Ch 6 <u>dissection</u> (M3) <u>dissection</u> (M2)
7	Oct 2 4 6	Coelom & Viscera Circulatory - heart ➔	Muscle Coelom & Viscera <b>LAB EXAM 3 - muscle</b>	Ch 6 Ch 7 <u>dissection</u> (M4)
8	9 11	<b>MIDTERM 1</b> ( <i>introduction through muscular system</i> ) Circulatory - vessels	Circulation	Ch 7 <u>dissection</u> (CV1)
9	16 18	Circulatory - blood Circulatory - lymph	Circulation Circulation	Ch 7 Ch 7 <u>dissection</u> (CV2) <u>dissection</u> (CV3)
10	23 25 27	Nervous system intro Nervous – cells, tissue ➔	Nervous system: cells Nervous: spinal cord <b>LAB EXAM 4 - viscera, circulation</b>	Ch 8 Ch 8
11	30 Nov 1	Nervous - spinal cord Nervous - brain	Nervous: whole brain Nervous: brain slices	Ch 8 Ch 8
12	6 8	Nervous - brain Nervous - ANS	Nervous: brain slices Nervous: nerves, vessels	Ch 8 Ch 8
13	13 15 17	Nervous - pathways Nervous- special senses ➔	Nervous pathways Special Senses <b>LAB EXAM 5 - nervous system</b>	Ch 9 Ch 9 ➔ 19 <sup>th</sup> drop w W

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WEEK	DATE	LECTURE TOPIC	LAB WORK	LAB MANUAL
14	20 22	<b>MIDTERM 2</b> ( <i>coelom, viscera, CV system, nervous system</i> ) Digestive System		
15	27 29	Digestive: GI tract Digestive: accessory glands	Digestive system Digestive system	Ch 10 Ch 10
16	Dec 4 6 8	Respiratory system Urinary system ➔	Respiratory system Urinary system <b>LAB EXAM 6</b> – <i>special senses, digestive</i>	Ch 11 Ch 12
17	11 13 15	♂ Reproductive system ♀ Reproductive, Endocrine ➔	Reproductive system Reproductive system <b>LAB EXAM 7</b> – <i>respiratory, urinary, reproductive</i>	Ch 13 Ch 13
18	18	<b>MIDTERM 3 &amp; FINAL</b>	Monday, Dec 18, 4:00 PM -8:00 PM	1820 Baker Hall

Is this going to be on the exam? ➔ The answer is YES! I'll even tell you when:

Midterm A: Introduction, Cells, Tissues, Integument: **50 pts**  
 Midterm 1: Introduction, Cells, Tissues; Integumentary, Skeletal & Muscular Systems: **150 pts**  
 Midterm 2: Coelom & Viscera; Circulatory & Nervous Systems: **150 pts**  
 Midterm 3: Special Senses; Digestive, Respiratory, Urinary & Reproductive Systems: **150 pts**  
 Final Exam: Cumulative Questions: **100 pts**

Lab Exam 1: Introduction, Cells, Epithelial Tissue, Connective Tissue Proper, Integumentary System  
 Lab Exam 2: Supporting Connective Tissue, Skeletal System  
 Lab Exam 3: Muscular Tissue & System, Knee Joint  
 Lab Exam 4: Coelom, Viscera, Circulatory System: cardiovascular & lymphatic  
 Lab Exam 5: Nervous System  
 Lab Exam 6: Special Senses & Digestive System  
 Lab Exam 7: Respiratory, Urinary, Reproductive Systems

⇒ Last day to drop without a **W** is Sept 10, 2017 ⇐

## One Final Bit of Wisdom:

- L.K. Garrett, Get Ready for A&P, 2007

*“If you find that you study hard but the wording of the quiz or test confuses you, I can almost guarantee that you are memorizing. The question is worded a bit differently than what you memorized, so you don't realize that you know the answer.*

*“You must get past memorization by looking for relationships between the concepts and the terms, and really strive for full understanding. Reading often produces memorization. Active studying produces understanding.”*

*I ka nānā no a'ike*

*By Observing, one learns*

**INSTRUCTOR:** Jeff Franceschi MS PT Office: Baker 1812, 527-4299 email: jfranceschi@santarosa.edu

**CLASS HOURS:** MW 5:00 PM – 6:30 PM lecture  
MW 6:30 PM - 9:30 PM lab  
**7 One hour Lab practical exams Friday 5:00-6:00**

**OFFICE HOURS:** MW 9:30 PM – 10 PM, and by appointment

**TEXTS:** **Human Anatomy**, 4<sup>th</sup> ed. McKinley & O’Laughlin, Pennefather-Obrien, Harris  
**A Photographic Atlas of Histology**, Leboffe  
**Human Anatomy Lab Manual**, SRJC (For sale in bookstore)  
**Anatomy 1 Course Notes**, Wilson (available for purchase first day of class)

**SUPPLIES:** Each student will need a lab apron or white lab coat and gloves for dissection.  
Colored pencils are useful for diagramming in lecture and on lecture exams.

**PREREQUISITES:** College biology (BIO 10) and ENGL 1A with a grade of "C" or better

**ASSIGNMENTS:** There are no formal homework assignments. It is expected that students will *preview* the relevant textbook and lab manual chapters before each day’s class.

**EVALUATION:** Grades will be based on points earned as shown below:

7 lab exams, 100 points each, drop lowest	600 points
4 lecture exams (Midterm A:50 pts, Midterms 1-3: 150 pts)	500 points
<i>Cumulative</i> Final Exam	100 points
lab dissection	<u>50 points</u>
<b>Total points</b>	<b>1250 points</b>

Midterm and final exams include objective type and essay questions.

Grades are based on the number of points earned:

A= 90-100% B=80-89% C=70-79% D=60-69% F=0-59%

Grades are based on points earned, there is no curve, study together!

There are no makeup exams, except by instructor discretion.

Any student found cheating will receive an F on that exam.

Student Learning Outcomes    *At the end of the course the successful student will be able to:*

1. Describe in detail the structure and basic function of the tissues, organs, and systems of the human body.

*This outcome will be tested with lecture exams. Some questions will require only that you have learned the names and functions of many body parts. ( multiple choice and completion questions) The most important questions will be the essays in which you describe in detail anatomical structures and relate the structure to a function*

2. Identify the major tissues of the body using a microscope, and relate tissue characteristics to organ functions.

*This outcome will be tested with lab practical exams in which structures will be marked on microscope slides, prosections and cadavers, and you will be asked to name the structure and often to also give its function*

#### LAB RULES:

There are many **open lab** opportunities: Mon, Wed mornings, Tuesday evenings, Fridays except on lab exams. Hours will be posted. Please note the following rules that apply to your time in the anatomy laboratory:

1. No materials (models, specimens, texts, keys) may be removed from the lab, ever. Do not ask!
2. People not enrolled in the class may not be in lab except with explicit permission from an instructor.
3. No children are allowed in the lab at any time.
4. No photographs may be taken of the cadavers or pro-sections.
5. Only closed-toed shoes may be worn in lab, all personal effects must be kept in lockers.
6. No food or drink is allowed in lab, except *closed* water bottles.
7. Dissections may only be performed during the scheduled assignment times.

During all lab times students must ➡

- work quietly and avoid non-anatomy discussions inside the lab
- take responsibility for keeping the lab clean, and materials put away
- treat cadavers and pro-section material respectfully
- share resources equitably

*If lab rules are not followed, you will be asked to leave lab or open lab will be open by **invitation only**.*

#### STUDY SUGGESTIONS:

- Review notes and pre-read the relevant chapter(s) **before** lecture.
- Immediately after the lecture (i.e. before midnight of the same day), **rewrite** and **reorganize** your notes so that you understand every word you put down.
- If you find you don't understand something, **ask questions** at the next class meeting.
- Take your rewritten notes and read the chapter again, making additional notes to clarify points.
- Learn new vocabulary by writing and speaking the words often.
- Study lab material collaboratively with other students, especially during open lab.
- Make use of office hours – the scheduled ones or by appointment

## ACADEMIC INTEGRITY

It is expected that every student will be doing their own work. Any evidence of cheating will result in a grade of F on the exam, quiz, or assignment. Cheating includes copying the work of someone else, allowing someone else to copy your work, using paper or electronic devices to provide information to others during an exam, providing information to others on lab exam dates.

## ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

If you need disability related accommodations for this class, such as a note taker, test taking services, special furniture, use of service animal, please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to me as soon as possible. DRD is located in Bertolini Hall on the Santa Rosa campus (527- 4278). **DRD lab exams are on Fridays at 7 PM.**

## ATTENDANCE POLICY

This is a university-level class, and students are expected to attend all lecture and lab sessions. Any student who fails to attend the first class meeting will be dropped from this class. Additionally, any student who misses two weeks of class (6 lecture hours and 12 lab hours) will be dropped from this class.

## CLASSROOM ETIQUETTE

Students are expected to behave respectfully to each other and the instructor: not speaking when someone else is talking, arriving and leaving on time, etc. You should enroll in this course only if you are serious and prepared for college level work. If your **cell phone** rings during lecture or lab, you will lose 5 points (**unless** you bring treats for everyone to the next class meeting!) Texting is not allowed during lecture or while in lab.

## EMERGENCY PROCEDURES

In case of an emergency where you would usually call 911, at SRJC you must instead dial **527-1000** (from a cell phone) or 1000 (from a campus phone) for an immediate police response. In the event of an emergency during class that requires evacuation of the building, please leave the class immediately, but calmly. Our class will meet on the lawn immediately outside the lecture room or the lab, 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 as soon as possible so we can discuss an evacuation plan.

## EXAM POLICY

It is the policy of the Life Sciences Department to not return exams to students. I will return your lab exams, but the lecture exams will not be returned. They will be filed in my office, available for review after they are graded, and will be shredded two months after the end of the relevant semester. After each exam is graded you have one week to hand in any rebuttals, in writing, concerning the grading of that exam. After that week, your grade will remain as given. After final course grades are submitted, students have two months to request an appointment to review any exam for the previous semester.

## Important Information for ANAT 1 Students

The information below outlines the skills and capabilities students must possess to succeed in ANAT 1.

### 1. English Competency

Students entering ANAT 1 must be able to read *with understanding* a complex, sophomore level text, and recognize main ideas, supporting facts, and conclusions. They must be able to write essays during exam times on anatomical topics, with logically and coherently organized sentences and paragraphs. They must be able to include concrete, appropriate and relevant details in their essays.

### 2. Biology

Students entering ANAT 1 must have completed an introductory biology class. It is unlikely that students who did not earn an A or B grade in this class will succeed in ANAT 1. The skills students must bring with them are competent use of a microscope, experience with lab practical exams, and the ability to master long lists of unfamiliar vocabulary words. The essential information students must have acquired includes a fundamental knowledge of the biological hierarchy, the theory of evolution, cell structure and function. Students must be able to apply their knowledge in a new context.

### 3. Study Skills

Students in ANAT 1 must be familiar with their own learning style and have mastered a set of study skills that works for them. There are many different ways of mastering new material; one method does not work for all. Students should be familiar with the kind of learner they are by this stage in their academic career. Students must also know which of the following study tools they find the most effective: flash cards, CDs, study groups, drawing structures, listening to tapes of lectures, re-writing notes.

### 4. Time and Time Management

The general “rule of thumb” for college levels courses is that a student must spend 2 hours studying outside of class for every hour in class. This translates in ANAT 1 to a bare minimum of 20 hours / week in addition to class time (9 hours/week). If you can’t make this kind of time commitment, postpone this course until you can. An additional important fact is that anatomy cannot be learned from books, one must spend time with the actual anatomical structures, and this can only be done in an anatomy lab. Therefore students must plan on spending long hours in “open lab”, primarily on Fridays and Saturdays.