

ANATOMY 34A Syllabus - Part A

Room: LS 113

All Sections
Office Hours are: M/W – 12:00 PM to 1:00 PM
T/Th – 10:45 PM to 11:15 PM

Dr. S. Trench
310 660-3593 X3355
Office Hours are
By Appointment

COURSE POLICY

Attendance:

FOUR absences are the traditional maximum permitted for a four unit course.

THREE tardies are equivalent to an absence.

FOUR absences or a combination of tardies and absences that equal four absences puts the student on a warning status.

On the FIFTH absence, the student will be required to drop the course. Any deviation from this policy MUST be cleared with the instructor.

Please be certain to occupy your regular seat as signed on the lab. sheet and class seating chart. Failure to do so may result in you being marked absent. If you are late, be sure to notify the instructor at the end of the period otherwise you may be marked absent. **Don't leave it to the next day!**

Remember, It is the student who is responsible to officially drop the class INCLUDING completion of a laboratory drop card filed with the technician.

Evaluation:

Evaluation will be based on the work or skills demonstrated from FOUR course areas (papers are optional)

Areas:	LECTURE TESTS (5)* (Required)	- 50% [40% + HW]
	LAB. TESTS (5)* (Required)	- 50% (40% + Lab R)
	HOMEWORK (Optional)	- 10% (can be added to lab or lecture tests)
	LAB. REPORTS (Optional)	- 10% (can only be added to lab tests)
	PAPERS (with Bibliography) (Optional)	- 2% added to the final total

N.B. - A test may be dropped, at the discretion of the Instructor, only if ALL tests for a section are taken and a notable improvement in performance is demonstrated
- If a test is missed, it will be assigned a 0% grade and averaged in with the other 5 tests! This applies to both lab, and lecture tests!

Note that **missed lab, tests (practicals) CANNOT be made Up and will be assigned a grade of zero!!**

Lecture tests can be made up on **the FIRST day** the student returns. Further, the test **MUST** be made up within one week of the original test date.

All lecture and lab. tests will usually be done within the lecture period of the class schedule.

Students **MUST obtain a passing grade in both the lab. and lecture sections** of the course. Failure to do so limits the maximum overall grade obtainable to a 'D'. (Remember a course above a 'D' cannot be repeated).

Students are expected to purchase their own SCANTRON sheets from the book store prior to the actual test period. Check with your instructor as to the type of SCANTRON to be used. [Generally # **882 ES** for lecture tests and for surprise quizzes (**884 ES** is used for the Nervous System Test)].

Please note that **NO ELECTRONIC LANGUAGE DICTIONARIES are permitted** during test periods. A book language **may** be permitted only if submitted for inspection one day prior to the test day.

Safety Rules:

- 1.- No food or drink is permitted in the class at any time.
- 2.- Appropriate attire and footwear are required for your own safety.
- 3.- Due to liability concerns, college policy prohibits children, relatives or friends in the regular classes or labs. This policy also applies to the 'open labs'.
- 4.- Active cell **phones** are not permitted in these classes! Turn off all cell phones **before entering class**. Failure to do so may result in you being dropped from the course!

ANATOMY 34A - COURSE TEXTS

Required	Optional
<ul style="list-style-type: none"> - Human Anatomy & Physiology Text; Marieb - (Human Anatomy; Michael McKinley is a possible substitute text) - Human Anatomy & Physiology Lab Manual S Ed. : Marieb 	<ul style="list-style-type: none"> - Guide to Anatomy & Physiology: Rust - Atlas of Clinical Gross Anatomy; Kenneth P. Moses - Mammalian Anatomy The CAT: Sebastiani & Fishbeck - Wheater's Functional Histology 5th Ed; Young, Lowe - Atlas of Anatomy: Grant - Anatomy Coloring Book: Kapit - Photographic Atlas for Ant & Physio Lab: Vandegraaff

LECTURE SCHEDULE (tentative)

CLASS	MAJOR TOPICS <small>(Your readings should be appropriate to the topics covered)</small>	HOMEWORK <small>(Suggested)</small>
1 & 2	Introduction & Orientation, Homeostasis Mechanisms Characteristics of Life, Anatomical Cuts Surface Anatomy, Anatomical Organization	Problem Solving Sheets I to VI
3 & 4	Cell Division & Mitosis, Cell Structure & Function	Lab Manual Review Exercises 1, 2,
5 & 6	Regulation & Transport Mechanisms	Lab Manual Reviews 3, 4, 5A, 5B (#1)
6 & 7	Histology, Cell, Tissues, Gland Types & Formation	Lab Manual Reviews 4, 6A, 7, 8
8 & 9	Cell Control Mechanisms, Integumentary System	Inorganic and Organic Chemistry Reviews, Mixtures Work Sheet
10 & 11	Anatomy Lecture and Lab Tests #1	Based on Class Days 2, 4, 6, 8
11	Bone Formation, Types, & Nomenclature	Lab Manual Reviews 9, 10, 11
13	Physiology Lecture and Lab Tests #1	Based on Classes 1, 3, 5, 7, & 9
14 & 15	Axial Skeleton / Muscle & Neural Physiology	Problem Solving VII, X, XI
16 & 17	The Skeleton: Appendicular, & Articulations	Lab Manual Reviews 12, 13,
18 & 19	Function & Divisions of the Nervous System Central & Peripheral NS Structure & Function Production and Function of the CSF	Lab Manual Reviews 14, 15
20 & 21	Muscle Structure & Function Appendicular and Axial Musculature Nervous System & Musculature System interactions	Lab Manual Reviews 16B, 16A
22 & 23	Somatic and Autonomic Nervous Systems	Lab Manual Reviews 18B, 22
24 & 25	Anatomy & Physiology Lecture & Lab Tests #2	Based on Classes 11, 14, 15, 16, 17, 18, 19, 20, 21, 22, & 23
26	Glial Cells: Form & Function	Lab Manual Exercises 17
27	Spinal Cord, Spinal Nerves, Tracts, Reflexes	Lab Manual Exercises 19
28	Brain Development, structure and coverings	Lab Manual Exercises 21
29	Cranial Nerves, Autonomic Nervous System	Lab Manual Exercises 27
30	Anatomy & Physiology Lecture & Lab Test Combos	Based on Classes 26, 27, 28, & 30

Point Grading Scale for all Tests:

A = 88 - 100	B = 75 - 87	C = 62 - 74	D = 50 - 61	F = 0 - 49
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Tuesday & Thursday Anatomy 34 Classes

LAB. SCHEDULE

DATE	CLASS	ACTIVITY
9/1/09	1 NS123	Lab Manual Activity Chapter 1, Lab Handout - Metrics, Measurements, & Computations
9/3/09	2 LS113	Introduction to routine Lab. techniques, rules, materials, etc. Anatomical Organization, Microscope use, wet mounts, resolving power, field size, magnification, stains, etc.,
9/8/09	3 NS123	Lab Handout – Microscopy
9/10/09	4 LS113	Cell Structure, Transport Mechanisms, Mitosis
9/15/09	5 NS123	OMIT
9/17/09	6 LS113	Tissues (Histology), Cell Junctions, Glands & Integument
9/22/09	7 NS123	Lab Handout – Molecules of Life Lab
9/24/09	8 LS113	Tissues (Histology), Cell Junctions, Glands & Integument
9/29/09	9 NS123	Lab Handout – Physical Processes of Biological Importance
10/1/09	10 LS113	Anatomy Lecture Test 1 & Lab Practicum 1 (Class Days 2, 4, 6, & 8)
10/6/09	11 NS123	Physio Ex 5B (also known as #1 on the disc)
10/8/09	12 LS113	Bone Formation, Bones of the Skull
10/13/09	13 NS123	Physiology Lecture Test 1 & Lab Practicum 1 (Class Days 1, 3, 7, 9 & 11)

LAB. SCHEDULE (continued)

DATE	CLASS	ACTIVITY
10/15/09	14 LS113	Bones of Axial & Appendicular Skeleton, Joints
10/20/09	15 NS123	Physio Ex 16B (also known as #2 on disc)(Muscle Physiology)
10/22/09	16 LS113	Bones of Axial and Appendicular Skeleton, Joints / Muscular System Models & Cat
10/27/09	17 NS123	Marieb Ex 16A (Activity 4 – BioPac)(Electromyography)
10/29/09	18 LS113	Muscular System: Models & Cat Dissection (optional but you will be tested on the dissection)
11/3/09	19 NS123	Physio Ex 18B (also known as #3 on disc)(Neurophysiology of Impulses)
11/5/09	20 LS113	Muscular System: Models & Cat Dissection (optional but you will be tested on the dissection)
11/10/09	21 NS123	Marieb Ex 22 (Reflexes)(All activities)
11/12/09	22 LS113	Anatomy Lecture Test 2 (Class Days 12, 14, 16, 18, & 20)
11/17/09	23 NS123	Lab Handout – Cranial Nerve Assessment
11/19/09	24 LS113	Anatomy Lab Practicum 2 (Class Days 12, 14, 16, 18, & 20)
11/24/09	25 NS123	Physiology Lecture Test 2 & Lab Practicum 2 (Class Days 15, 17, 19, 21, & 23)
12/1/09	26 NS123	Nervous System: Neuron Structure, Slides, Models, Sheep Brain
12/3/09	27 LS113	Nervous System: Models, Spinal Cord, Spinal Nerves, CSF & Ventricular System
12/8/09	28 NS123	Nervous System: Models, Brain & Cranial Nerves
12/10/09	29 LS113	Nervous System: Models, Autonomic Nervous System
12/17/09	30 LS113	Anatomy Lecture 3 & Lab Practicum 3 (Class Days 26, 27, 28, & 29)
12/17/09	31 LS113	Review and Conference