

# ANATOMY 32 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 32

## COURSE TEXTS

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

## LECTURE SCHEDULE (tentative)

CLASS	MAJOR TOPICS	READINGS & HOMEWORK (Suggested)
1 & 2	Introduction & Orientation Characteristics of Life, Anatomical Cuts Surface Anatomy, Anatomical Organization	Chapters 1, Lab Manual Review Exercises 1, 2, 3, 4, 6A
2 & 3	Cell Division & Mitosis Cell Structure & Function Regulation & Transport Mechanisms	Chapters 2, Lab Manual Review Exercises 1, 2, 3, 4, 6A
3 & 4	Regulation & Transport Mechanisms (cont.) Histology, Cell, Tissues Gland Types & Formation	Chapters 3, Lab Manual Review Exercises 1, 2, 3, 4, 6A
4 & 5	Histology, Cell, Tissues Gland Types & Formation Integumentary System,	Chapters 3, Lab Manual Review Exercises 1, 2, 3, 4, 6A, 7, 8
6	LECTURE TEST 1 & LAB PRACTICUM 1	Based on Classes 1, 2, 3, 4, & 5
7 & 8	Skeletal System (Bone Structure & Growth) Bone Types, Shapes, Fractures, Bone Nomenclature	Chapters 5 & 6, Lab Manual Exercises 9, 10, 11, 12, 13
8 & 9	The Skeleton: Axial, Appendicular, & Articulations	Chapters 7, 8. Lab Manual Exercises 9, 10, 11, 12, 13
10	Gross & Micro Anatomy & Physiology	Chapter 9, Lab Manual Exercises 14, & 15
11 & 12	Muscular System: Appendicular & Axial Musculature	Chapters 10 & 11, Lab Manual Exercises 14 & 15
13	LECTURE TEST 2 & LAB PRACTICUM 2	Based on Classes 12, 13, 14, & 15
14 & 15	Neurophysiology, Structure of Neurons Glial Cells: Form & Function Central & Peripheral Nervous Systems	Chapters 13, 14, Lab Manual Exercises 17, 19,21,24,25,27
15 & 16	Spinal Cord, Spinal Nerves, Tracts, Reflexes Brain Development, Structure, Coverings Cranial Nerves, Autonomic Nervous System	Chapters 15, 16, Lab Manual Exercises 17, 19, 21, 24, 25, 27
16 & 17	General & Special Senses. Skin, Tongue, Nose Structure & Function of the Eye Structure & Function of the Ear	Chapters 16, 17, Lab Manual Exercises 17, 19,21,24,25,27
18 & 19	Endocrine System (its components & function) Hormones (their chemistry, classification, & actions), Endocrine Disorders & their affects	Chapters 18, 19, Lab Manual Exercises 17, 19, 21, 24, 25, 27
20	LECTURE TEST 4 & LAB PRACTICUM 4	Based on Classes 17, 18, 19, 20, & 21
21 & 22	Blood Composition, Function, Blood Elements Heart (its structure, function), Circulation, EKG Cardiac Cycle, Heart Sounds, Heart Disorders	Chapters 20 & 21. Lab Manual Exercises 29A,30, 32, 35
23 & 24	Blood & Lymph Vessel Structure & Function Major Arterial, Venous & Lymphatic Systems Lymphatic System & Immunity	Chapters 22 & 23, Lab Manual Exercises 29A,30, 32, 35
25	LECTURE TEST 5 & LAB PRACTICUM 5	Based on Classes 23, 24, 25, & 26
26 & 27	Respiratory System (structure, function, disorders) Gas Laws, Gas Pressures, Gas Transport Digestive System (structure, function, disorders)	Chapters 24 & 25, Lab Manual Exercises 36, 38, 40, 42
28 & 29	Digestive System, Urinary System (structure, function & location), Reproductive Systems (origin, structure, function, cycles, and disorders)	Chapters 26 & 27, Lab Manual Exercises 36, 38, 40, 42
30	LECTURE TEST 6 & LAB PRACTICUM 6	Based on Classes 28, 29, 30, & 31

**Point Grading Scale for all Tests:**

<b>A = 88 - 100</b>	<b>B = 75 - 87</b>	<b>C = 62 - 74</b>	<b>D = 50 - 61</b>	<b>F = 0 - 49</b>
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Tuesday & Thursday Anatomy 32 Classes

**LAB. SCHEDULE**

DATE	CLASS	ACTIVITY
9/1/09	1	A1. - Introduction to routine Lab. techniques, rules, materials, etc. Anatomical Organization, Microscope use, wet mounts, resolving power, field size, magnification, stains, etc.,
9/3/09	2	A2. - Microscope Use & Anatomical Organization
9/8/09	3	A3. – Cell Structure, Transport Mechanisms, Mitosis
9/10/09	4	A4. – Cell Structure, Transport Mechanisms, Mitosis, Tissues & Glands (Histology)
9/15/09	5	A5. — Tissues (Histology), Cell Junctions, & Glands, Integument
9/17/09	6	Lecture Test 1 & Lab Practicum 1 (Class Days 1, 2, 3, 4, & 5)
9/22/09	7	B1. - Bone Formation, Bones of Skull
9/24/09	8	B2. - Bones of the Axial & Appendicular Skeleton
9/29/09	9	B3 - Bones of the Axial & Appendicular Skeleton, Articulations (Joints)
10/1/09	10	B4. - Muscular System: Models & Cat Dissection (optional but you will be tested on the dissection)
10/6/09	11	B5. - Muscular System: Models & Cat Dissection (optional but you will be tested on the dissection)
10/8/09	12	B6. - Muscular System: Models & Cat Dissection (optional but you will be tested on the dissection)
10/13/09	13	Lecture Test 2 & Lab Practicum 2 (Class Days 7, 8, 9, 10, 11, & 12)

LAB. SCHEDULE (continued)

DATE	CLASS	ACTIVITY
10/15/09	14	C1. - Nervous System: Neuron Structure, Slides, Models, Sheep Brain Dissection
10/20/09	15	C2. Nervous System: Spinal Cord, Spinal Nerves, CSF & Ventricular System
10/22/09	16	C3. - Nervous System: Autonomic Nervous System, Brain & Cranial Nerves
10/27/09	17	C4. – Brain (continued) Sensory Organs (eg. skin, taste, eye, ear)
10/29/09	18	C5. - Sensory Organs (eg. skin, taste, eye, ear), Endocrine System & Slides
11/3/09	19	C6. — Endocrine System: Endocrine Gland Slides Continued
11/5/09	20	Lecture Test 3 & Lab Practicum 3 (Class Days 14, 15, 16, 17, 18, & 19)
11/10/09	21	D1 - Cardiovascular System: Vessel Slides
11/12/09	22	D2. - Cardiovascular System: Heart & Vessels (Dissect Sheep Heart)
11/17/09	23	D3. - Cardiovascular System: Major Vessels of the Body and Organs
11/19/09	24	D4. - Cardiovascular System: Major Vessels; Lymphatic Vessels and Organs
11/24/09	25	Lecture Test 4 & Lab Practicum 4 (Class Days 21, 22, 23, & 24)
12/1/09	26	E1. - Respiratory System: Models & Slides, & Cat Dissection (optional but tested on the dissection)
12/3/09	27	E2. - Digestive System: Major Organs, Slides, & Cat Dissection (optional but tested)
12/8/09	28	E3. - Urinary System: Major Organs, Slides, & Cat Dissection (optional but tested)
12/10/09	29	E4. - Reproductive Systems: Major Structures, Slides, & Cat Dissection (optional but tested)
12/17/09	30	Lecture Test 5 & Lab Practicum 5 (Class Days 26, 27, 28, & 29)
12/17/09	31	Review and Conference