

**ABRIDGED**

## **BIOL 204**

# **Human Anatomy**

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### **Prerequisite**

Completion of MATH 090 and BIOL 100 or BIOL 122 or BIOL 180 or BIOL 182, with grades of “C” or better. Or, completion of MATH 090 with a grade of “C” or better AND current California LVN or RN license.

### **Course Description, Requirements, and Instructional Methods**

Lecture and laboratory course designed to study the fundamental principles of the human body structure at the cellular, tissue, organ, and systems level of organization, including the cat and organ dissection, study of the human skeleton, structural-functional relationships, and appreciation of related human diseases and aging. This course may require the use of human cadavers.

This course incorporates both lecture and lab material related to the understanding of the human body. There may or may not be written exams, practical exams, quizzes, worksheets, and research projects.

### **REQUIRED Items & Other Resources**

► **Textbooks**

*Human Anatomy*, Ken Saladin, 3<sup>rd</sup> or 4<sup>th</sup> edition

Customized Version: *BIOL 204 Human Anatomy Lab Manual* available in the bookstore

► **Safety glasses**

**Recommended:** blank index cards (lots!), colored pencils, highlighters, camera

### **Classroom Rules and Etiquette**

- Attendance and punctuality are required. I start on time and expect you to be seated by the time class starts and I begin taking roll. Arriving late is very disruptive and rude. If lateness becomes a problem, I may start assigning extra homework to those who arrive late
- Disrespectful, inappropriate, or offensive behavior of any kind will not be tolerated and may result in your being dropped from the course.
- As per IVC policy, this course is conducted solely in English. Only English may be spoken when lecture or lab is in session.

- Only voice recorders may be used to record lectures. Videotaping is never allowed.
- During class, if your cell phone starts ringing or you use it for personal reasons like texting, **10 points** will be deducted from your final point total.
- No open food or drink containers are allowed in the classroom or lab.
- Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

### Laboratory – Policies & Procedures

- You will be responsible for conducting yourself properly and safely during lab. This includes: handling materials and equipment carefully, following instructions, putting items back where you found them, and cleaning your area before leaving.
- Lab work will consist of material taken from the Laboratory Manual and any additional worksheets assigned. Only original pages from the lab manual will be accepted and pages must be stapled in the correct order.\*
- For computer activities, no more than 2 people may work together.\*
- For all other activities, no more than 3 people may work together.\*
- Safety glasses must be worn and long hair tied back when dissections are done in lab.
- All group members must participate in **all** activities.
- ONE lab report is turned in per group.
- Everyone in a group will receive the same grade.
- Any group member who leaves before the assignment is completed and turned in will receive a **zero** grade.
- Each group member must write his/her **own** name on lab worksheets.\*

**\*Point penalty for noncompliance!**

### Grading Policies

Most exams will include a **practical part** and a **written part**. Questions on both will be based on lecture notes, structure lists, and lab activities. Written tests will include multiple-choice, fill-in, T/F, matching and short-answer questions. Tests may also include diagrams to label. Most practical questions will be recall-type questions.

#### **NO Make-up Exams Will Be Given**

If you notify me in advance that you have to miss an exam **and** you have a legitimate excuse with supporting documentation, I will prorate the first missed exam. Any other missed exams will receive a zero.

#### **EXAM-TAKING RULES:**

- ◆ Long hair must be tied back.
- ◆ No hats or hoods may be worn.
- ◆ Hands must remain on top of the table.
- ◆ If you write in pen, you must have correction tape with you. Scratched out answers will be marked wrong.
- ◆ Test pages must be folded under when you turn a page.
- ◆ For matching & labeling, **capital** letters must be used.
- ◆ Black pen must be used for labeling.

## Spelling

*You do not get full credit for knowing a structure if you cannot spell it correctly.* Thus, spelling of structures and terms counts on ALL exams and practicals. Correct spelling also means writing your letters clearly and correctly. The penalty for each spelling error is ½ point.

### Additional Help

**Blackboard** (<https://imperial.blackboard.com/>)

PowerPoint slide shows will be available for downloading through your Blackboard account. NOTE: The slide shows posted on BB will not be identical to what's shown in class. Thus, note-taking is mandatory. Also posted:

- Exam scores and overall test average
- Structure lists (Required to bring these to the appropriate lab.)
- Helpful handouts
- Unlabeled practice diagrams

### Grade Calculation

Test and practical scores that end up in the middle of two numbers will be rounded **down**. Final grades are calculated using a simple point system. If your test/practical average is  $\geq 70.0\%$ , your grade will be based on the total points you earn divided by the total points possible. The grading scale will be:

- A  $\geq 90\%$
- B = 80-89 %
- C = 70-79 %
- D = 60-69 %
- F  $\leq 59\%$

- ◆ Exams: 100-175 pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Participation, class conduct, misc.: 30 pts.

*“Participation” means asking questions, contributing thoughts and opinions. In other words, being an **active** member of the class! You must earn these points!*

*“Class Conduct” means following class policies & procedures.*

**IMPORTANT:** ➤ If your exam average ends up below 60%, you will automatically receive an “F” for the course.  
➤ If your exam average ends up being between 60-69%, you will automatically receive a “D” for the course.

\*\*\*\*\* *If you can't pass the exams, you can't pass the class.* \*\*\*\*\*

<b>Tentative Schedule</b>	<b>Subject to change</b>
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	<b>LECTURE</b>	<b>LAB</b>
8/17	Introduction	Language of Anatomy & Word Roots
8/19	Ch 1 – Intro to Anatomy	Metric system review
8/24	Ch 2 – Cells	<b>Anatomy Terms &amp; Word Root Test</b>
8/26	Ch 2 – Cells	Cells Cell Cycle & Meiosis
8/31	Ch 3 – Tissues	Bone ID
9/2	Ch 5 – Integumentary System	Tissues
9/7	<b>NO SCHOOL</b>	
9/9	<b>EXAM:</b> Intro, metric, cells, cell cycle, meiosis	
9/14	<b>EXAM: Bone ID</b>	
9/16	Ch 6-9 – Skeletal tissue & Joints	Integument; Skeletal Tissue & Joints
9/21	<b>EXAM: Tissues</b>	
9/23	Ch 10-12 – Muscular System	Muscles
9/28	<b>EXAM:</b> Integument, bone tissue, joints	
9/30	Ch 19-21 – Cardiovascular System	Research project: Replacing cardio parts
10/5	Ch 19-21 – Cardiovascular System	Cardiovascular
10/7	Ch 22 – Lymphatic System Ch 13-16 – Nervous System	
10/12	Nervous System cont.	Brain and nerves

10/14	Ch 17 – Senses	Senses – Eyes & Ears
10/19	<b>EXAM: Cardiovascular &amp; Lymphatic</b>	
10/21	Ch 18 – Endocrine System	Endocrine System Senses – Taste & Touch
10/26	<b>EXAM: Nervous System &amp; Senses</b>	
10/28	Ch 23 – Respiratory System	Respiratory
11/2	Ch 24 – Digestive System	<b>CADAVER OBSERVATION &amp; QUIZ</b>
11/4	Ch 25 – Urinary System	Digestive & Urinary System
11/9	<b>EXAM: Endocrine &amp; Respiratory Systems</b>	
11/11	<b>NO SCHOOL</b>	
11/16	Ch 26 – Reproductive Systems Ch 4 – Pregnancy & Development	Reproductive Systems
11/18	<b>EXAM: Digestive &amp; Urinary Systems</b>	
11/30	<b>CAT dissection and QUIZ...</b>	<b>... Cont.</b>
12/2	<b>CAT dissection and QUIZ ...</b>	<b>... Cont.</b>
12/7	<b>EXAM: Reproductive Systems &amp; Development</b>	