Instructors
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Class Location
MLSC - 134 (Molecular and Life Sciences Center, Room 134)

Class Meeting Times

<table>
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<tr>
<th>Section</th>
<th>Class #</th>
<th>Day</th>
<th>Time</th>
<th>Professor</th>
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Student Learning Objectives

1. Define key terms related to anatomical direction, spatial relationships, and gross anatomy.
2. Analyze muscles, blood vessels, nerves, and organs using human cadavers, soft tissue specimens and models.
3. Analyze bones and bony landmarks using surface anatomy and bones.
4. Analyze the structural makeup of individual organs within organ systems.
5. Understand locations of and relationships between anatomical structures.

Required Materials

- *Human Anatomy*, 7th edition, by Martini, Timmons and Tallitsch
- *Atlas of Human Anatomy* by Nielsen and Miller
- *Anatomy and Physiology Revealed* on-line access (McGraw Hill)
- One-inch binder
- 12 divider tabs
- Weekly printing of anatomy lab materials
- Colored pencils
- At least one plastic page protector
- *Pencil and eraser for quizzes*
- *A Visual Analogy Guide to Human Anatomy* by Krieger is required for all SI students, otherwise it’s optional

Please buy your lab materials PRIOR to the first lab session, follow the directions on how to prepare for lab, and BRING THEM to each lab session. Please note that the online component you may have received with your textbook (Mastering A&P) is NOT the one that is required (APR).

Optional Materials

- *Atlas Of Anatomy For Allied Health* by Ward, 2nd edition (highly recommended for lab)
- *A Visual Analogy Guide to Human Anatomy* by Krieger (very useful for lecture too)
Time Commitment

The College of Natural Sciences and Mathematics at CSULB, in an attempt to ensure student success, wants you to know that the standard amount of studying for science and math courses is **three hours of studying for each hour** of class time, so please plan accordingly. This is the standard for obtaining a C. For some individuals, this amount of time will be enough to earn a higher grade, while for most students even more effort will have to be expended to get higher grades. Please note that this is STUDYING, not preparing notes, reading material, doing homework, etc.

Student Success

We have designed this course with your success in mind! The entire anatomy team works together with this common goal. We are here because we are experts on how to learn this material, and we really want to share this with you.

In order to pass this class, real preparation before each lab period is necessary. Students will need to use their lab manual, atlas, APR, any podcasts and model pictures posted online to learn the location of the new structures being covered that week. This is done for all the terms listed in the lab manual. During the lab, students will then transfer this information to three-dimensional models, followed by soft tissue. The weekly quizzes will cover BOTH new material and material previously covered.

Students who are most successful find pictures to practice labeling, make notes in their lab manual, create their own drawings, and attend office hours on a weekly basis. This course requires focused effort, and it is our expectation that all students come to class prepared and ready to actively participate. Try to make the most out of your lab session by utilizing ALL the time available to you and stay focused on the anatomy topic in your station. There will be no open labs, so it is critical that you cover all of the material each and every lab period. To EACH lab session, students should bring their textbook, lab manual, and Neilson atlas.

Lab Quizzes

A quiz is given at the beginning of every lab period. This semester, there are two components to your in-lab quizzes. The first portion is “open manual” in that you can use the notes you have written in your manual to help you answer this part. It is worth one point, and may be one or more questions, and is taken on the back of your APR quiz. You will have 45 seconds to answer this portion of the quiz.
After you have closed your lab manual, the regular quiz will start. It will consist of ten questions. The questions will be on PowerPoint pictures. Some questions will cover the new material that students have learned in preparation for that day’s lab session. Other, more in-depth questions will cover material from the previous lab session. All questions will be “short answer” type questions. Spelling will count, and there is no word bank except for the words in a student’s brain. Students will have 45 seconds per question. Each of these quiz questions is worth 0.5 point, for a total of 5 points. There is no quiz given on lab practicum days.

In order for you to take the quiz and have it graded, you must be on time to class. Please do not be late to class! If you are late you will not be able make up the questions you have missed, as well as not being able to turn in any paperwork due that day! No makeup quizzes will be given. Lab quizzes may also cover material found in the syllabus.

As a result, there are a total of twelve quizzes. The lowest two of these twelve scores will be dropped, so that the total points allocated to quizzes is a maximum of 60 points (6 points X 10 quizzes).

Anatomy and Physiology Revealed

Students will be taking a weekly quiz using APR at home. Refer to the file posted on BeachBoard for directions. Your printout is due the first five minutes of the class session and will not be accepted late. This printout is your answer sheet for the “bonus quiz” mentioned above. Students will take 11 APR quizzes, and the top ten quizzes will count towards your grade; if you turn in all eleven quizzes, you will be able to drop your lowest score.

If you type the words as written in your lab manual, spelling them correctly, you will get credit on APR. However, if you misspell, it will be marked incorrect and the correct answer given. In some cases, the answer given is an alternate name for what is written in your manual. Although we do check to ensure that the program accepts the terms we print in the manual, please notify us if you encounter a term in the lab manual that is not accepted by APR as correct.

APR quizzes are worth 0.5 point each, so 5 points total are earned. They are scored in an “all or nothing” manner. In order to receive credit, students must follow the exact directions and score 10/10 on the correct topic using a lab practical type of quiz. Students who turn in extra paperwork will not receive any credit even if they also turn in the correct quiz.

In addition, students can use APR at their convenience to learn structures – there is much more than just lab quizzes on APR. Take time to explore the site!
Lab Practicums

There will be three lab practicums. They are 35, 45, and 55 points respectively, for a total of 135 possible points. Each practicum will actually contain 37, 47, or 57 questions, each worth one point. Thus, two points extra credit are automatically included in each lab practicum. Students will have 90 seconds per station, with two questions per station, and no going back to previous stations. Transition time between stations is not included in the 90 second time period. There will be no makeup of practicum exams and all three exam scores count toward your grade.

Please make sure you arrive early on exam day as the test will start promptly. If you arrive late you will be allowed to participate, but only for the part of the exam you have not missed. You will not be allowed to go back and make-up any missed questions. Models, cadavers, bones, diagrams, radiographs, photos and soft tissue preparations are all “fair game” on the practicum.

Grades

The lab accounts for one-third of your grade in this course. A separate grade is not given for the laboratory portion; instead the points earned in the lab are added to the points earned in the lecture component to determine your final grade. All students must earn 60% in the lab (120 points) in order to pass the course!

Human Anatomy lab instructors will return quizzes and homework to you one week or less after it was due. If students are absent or choose not to take their papers the day they are returned, the papers will be discarded. Do not expect instructors to carry the same papers back and forth every week!

All grades (both lecture and lab) will be posted on BeachBoard. If an error was made in posting a grade, or in adding your score, or in grading the answer, you must retain the relevant paper to show the instructor. You have ONE WEEK from the time a grade was posted/paper returned to contest the grade. It is the student’s responsibility to retain all graded papers in case there is an error in points posted.

Points

The point distribution for the laboratory component of this course is as follows:

- quizzes = 65 points (includes both APR and in-lab quizzes)
- practicums = 135 points