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Course Description

This course is an introduction to gross, microscopic, and functional anatomy of the organ systems the human body. You must be concurrently enrolled in lecture and lab. While lecture and lab are related, the material covered in each may differ in content and/or focus. This course is specifically for students desiring to enter a nursing program. Completion of all remedial courses is a pre-requisite for this course; BIOL 1010/1020 or BIOL 1050 and BIOL 1150 are recommended prerequisites.

There is a substantial amount of information to be mastered in this course. To do well, one must devote the necessary time and effort. Experience indicates that to be successful, a minimum of two hours of preparation and/or review are needed outside of class for every hour in class (lecture and/or lab). If you are not prepared to dedicate the time and effort needed for this course, you should reconsider your enrollment. Each lecture and lab is organized with the assumption that you have read the assigned material prior to class.

Course Objectives

Understand the organization of the human body, the major features and interrelationships of the organ systems, and the relationship of structure and function

Visualize the internal anatomy, both gross and microscopic, and to relate this to surface features

Understand lectures, texts, articles, and clinical demonstrations in subsequent classes

Understand the nature of science and to the biological significance of animal structure

Develop care in verbal expression (including the precise use of English and scientific terminology) and habits of logical and critical thinking

Required Texts/Materials

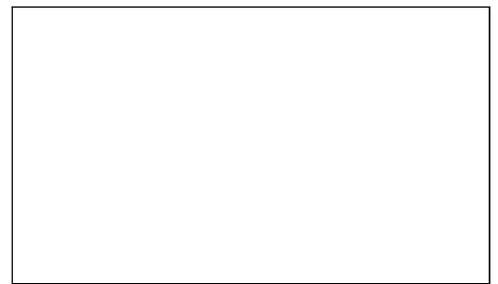
Marieb, E. N. *et al.* 2008. *Human Anatomy and Physiology*, 8e. Benjamin Cummings

Jones, T. D. Lab Manual for Human Anatomy, XanEdu

i>Clicker remote

Dissection kit (blunt/sharp surgical scissors, iris scissors, scalpel handle and blades, medium forceps, blunt probe, dissecting needles)

Gloves (nitrile, rather than latex, gloves are recommended)



Recommended Texts/Materials

Borror, D. J. 1988. Dictionary of Word Roots and Combining Forms. Mayfield

Gilbert, S. G. 1968. *Pictorial Anatomy of the Cat*, Revised edition. University of Washington Press

Lab coat (or old shirt)

Exams

Exams are written with the course objectives in mind. Exam questions are written, in technical and standard English. Because the information in this course cannot be divided into separate, discreet units, exams will, to some extent, be cumulative. Unless otherwise stated, exams will begin at the beginning of the scheduled class time. Students who are tardy will not be able to take the exam. After graded exams have been returned, you have one week to dispute errors; no grades will be changes after that time.

Correct spelling and grammar are necessary for effective communication. Poor spelling and grammar are signs of intellectual immaturity and/or carelessness. Therefore, spelling and/or grammatical errors will result in loss of points on exams; illegible and/or unintelligible answers will receive no credit.

Lecture Exams

Lecture exams will focus on material covered in lecture and assigned readings. In addition, while they will not include specific questions from dissection, material presented in lab, the lab manual, or any other materials that may be handed out in lecture or lab are all sources of possible questions for exams. There will be two exams (75 points each) and a cumulative final (75 points).

Lab Practical Exams

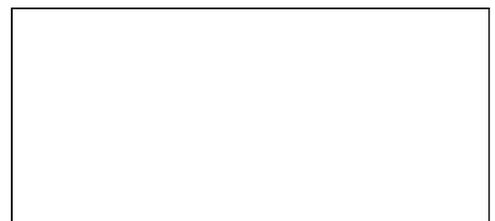
There will be two lab exams (150 points each). Lab exams will be in a timed, practical format and will focus on identification and understanding of relationships and function. Anything included in the lab manual may be included on these exams. Lab practical exams may also include material from previous exams and, as a way of testing your understanding, may include unknowns (*i.e.*, material that you may not have not seen in class). Lab practical exams are very time-consuming to set up; make-up lab practical exams will not be given. As a way of testing your understanding, lab exams may include unknowns (*i.e.*, material that you have not seen in class).

Reviewing Exams

Students have one week after an exam has been returned to contest grades.

Homework

Homework will be assigned *via* Mastering A&P. There will be weekly assignments covering material from lecture and/or lab for which 75 points will be available. To register for the Mastering A&P visit the website (<http://www.masteringaandp.com>). Click the “STUDENTS” button under the register option. You will be asked for a student access code. This is a printed code supplied inside the Mastering A&P Student Access Kit, which was included with the purchase of your new textbook. If you bought an online or used textbook, there is an option for you to purchase an access code during the registration process. The name of this course is HUMAN ANATOMY FOR NURSING, the course code is MAPJONESS12. More details will be given in class. Students who fail to register for Mastering A&P by 01 February will be dropped from the class.



Quizzes

To help convince students to study throughout the term, actively participate in class, and to keep up with assigned readings, quizzes will be given during lecture using the i>Clicker system. i>Clicker is a response system that allows you to respond to questions posed during class; you may be graded on that feedback and/or participation. The i>Clicker may also be used for polling, provoking discussions, etc.; information from these types of questions is not recorded, so your anonymity is guaranteed. You are required to purchase an i>Clicker remote for in-class participation; you must bring it beginning the second day of class. i>Clicker may be used each day in lecture, and you are responsible for bringing your remote daily; if you don't have it you will not receive credit for responses. Students may respond using only their own i>Clicker; using a classmate's i>Clicker to respond is dishonest and both students risk expulsion from the class and a failing grade (see Personal Integrity). A maximum of 50 "bonus" points may be earned from quizzes. Quiz questions may come from current or previous material. To receive credit for your responses, you must register your i>Clicker. To register your i>Clicker, go to <http://www.iclicker.com> and use your Moodle login name as the i>Clicker Student ID and the serial number on the back of your i>Clicker unit. Students who fail to register for their i>Clicker by 01 February will be dropped from the class.

Grading

Your grade will be determined by your combined performance in lecture and lab. Points are awarded for your understanding of the material in this course and your ability to communicate your knowledge. Separate grades are not assigned for the lab. The CR/NC grading option is not approved by the University for this course; only letter grades can be earned. The use of +/- grades is at the instructors' discretion. Because of potential privacy issues, scores and/or grades will not be given out *via* e-mail or phone. It is expected that students will keep track of their scores (including all graded materials) for the duration of the term. Exam scores will be posted at <http://moodle.csustan.edu>. After the end of the term, students may access their course grades from <http://my.csustan.edu>. A total of 600 points are available from lecture and lab exams. There will be no other points or assignments available beyond those mentioned herein. Letter grades will be assigned as follows:

A	Student has demonstrated a high level of competence in meeting course objectives	≥ 510 points (85%)
B	Student has demonstrated a more than satisfactory level of competence in meeting course objectives	≥ 450 points (75%)
C	Student has demonstrated a satisfactory level of competence in meeting course objectives	≥ 390 points (65%)
D	Student has demonstrated only a barely passing level of competence in meeting course objectives	≥ 300 points (50%)
F	Student has not demonstrated a minimally passing competence in meeting course objectives	< 300 points

Attendance

Regular attendance is vital to your success in this course. Therefore, you are expected to attend regularly, come to class on time, and complete assigned readings. Attendance requires not only your physical presence, but your attention and participation as well. Students who are physically present, but inattentive (including, but not limited to, sleeping, excessive conversation, texting, e-mailing, web-surfing, being disruptive, arriving late, leaving early, etc.) may be asked to leave. In the event of documented compelling circumstances, attempts will be made to work out conflicts prior to the

absence. Unexcused absences for gradable events will result in no score. Lab practical exams are very time-consuming to set up; make-up lab practical exams will not be given.

Course Information

Information for the course (exam scores, syllabus, calendar, related materials, etc.) can be found on the course's Moodle page (moodle.csustan.edu). You must register for the page to access it. The course key is: zool2250

To register click the link for the appropriate course from the Moodle site. Create a new account (or you may use a previously created account). Enter the enrolment key for the course. Once enrolled, go to your 'Profile Settings > Edit Profile'. Make sure that the information there is accurate (*e.g.*, your full name has been entered, your email address is correct) At the bottom of the page enter your student identification number and i>Clicker number. Students who fail to correctly register for the Moodle page by 01 February 2012 will be dropped from the class.

If you need to contact your instructor, it is best to do by email. Please include your name and the course number in the subject line.

Open Lab

To gain the most from the course (and to achieve success as measured by good grades) you will want to study in the laboratory for several hours each week in addition to the scheduled class and lab sessions. The lab will normally be available W 2-5, and F 8-12. However, any inappropriate use of the lab or the destruction or loss of lab materials during open lab will result in cancellation of this privilege for the duration of the term for all students.

Course Drop and Withdrawal Policy

The drop policy for this course is the same as the university policy (CSU Stanislaus University Catalog: Academic Policies and Procedures): "Adding or dropping courses after the Enrollment Census Date [22 February] will not be allowed. After the Enrollment Census Date, students are responsible for completion of the course(s) in which they are enrolled." Withdrawal from courses after the Enrollment Census Date may be allowed "for documented extreme circumstances beyond the student's control". Illness and similar catastrophes may qualify as extreme circumstances; academic difficulties do not. Withdrawal from the course must be approved by the instructor, the chair of the Department of Biological Sciences, and the dean of the College of Natural Sciences, before being submitted to Student Affairs for approval.

Recording Policy

The use of audio and/or video recorders or cameras is not permitted during lecture or lab. An exception is made for students who are registered with Disability Resource Services and approved for this accommodation. If you do not intend to comply with this policy, please enroll in another class.

Students with Disabilities

Students with documented disabilities need to make an appointment with the instructors as soon as possible to discuss course adaptations and/or accommodations. If you have an undocumented disability, contact Student Support Services.

Personal Integrity

Behavior that interferes with the instructor's ability to teach or the ability of students to benefit from instruction will not be tolerated. Examples of such behavior include: audible ring tones, late arrivals, early departures, irrelevant conversation, and inappropriate use of phones or computers. Inappropriate behavior will be dealt with as severely as university regulations allow. In addition, misuse of lab materials (including incorrect use of microscopes) will result in lost points and may result in grades

being withheld until the department has been compensated for damaged materials. Behavior that is not consistent with the Student Conduct Code (http://www.csustan.edu/JudicialAffairs/documents/Student_Code_of_Conduct.pdf), including any form of academic dishonesty, will result in immediate expulsion from the course, a failing grade, and the matter will be referred to the Office of Student Judicial Affairs.

Tips for Success

This course has a reputation for being challenging however, it can be made much easier if you heed the following advice:

Attend and actively participate in lecture and lab.

Preview relevant material before lecture and lab.

Take good notes in class and review your notes often.

Make use of the index and glossary in the text and a dictionary.

If you have questions, ask.

Implied Contract

This syllabus serves as a contract between you and the instructors. Your continued enrollment in this class denotes your understanding of and agreement with the material in the syllabus as well as in the introductory section of the lab manual. You are expected to print this syllabus and keep it in your notebook to refer to during the semester.



Course Schedule¹

Date	Lecture Topic	Text ²	Date	LabTopic
27 Jan	Introduction			
30 Jan	Science, Anatomy	Human LM :Intro, Overview; Ch. 1: 2-8, 11-20	31 Jan	Introduction, Overview of Human Anatomy, Organization of the Human Body, Microscopy
01 Feb ³				
03 Feb	Cells	Ch. 3: 62-77, 81-109		
06 Feb				
08 Feb	Microanatomy/Tissues	Ch. 4	07 Feb	Basics of Microanatomy
10 Feb				
13 Feb	Integumentary System	Ch. 5	14 Feb	Basics of Microanatomy (cont'd), Integumentary System
15 Feb				
17 Feb	Skeletal Tissues, and			
20 Feb	Joints	Ch. 6, 8	21 Feb	Skeleton System
22 Feb ⁴				
24 Feb				
27 Feb	Skeletal Muscle Tissue	Ch. 9: 275-284, 289-296,		
29 Feb	and Muscles	300-305; Ch. 10: 320-324	28 Feb	Dissection; Micro- and Macroanatomy of Muscles
02 Mar				
05 Mar	Exam 1	06 Mar		
07 Mar				Macroanatomy of Muscles (cont'd)
09 Mar				
12 Mar	Cœlom and Respiratory	Ch. 22: 804-830, 833-836;		
14 Mar	and Digestive Systems	Ch. 23: 851-895	13 Mar	Practical 1
16 Mar				
19 Mar				
21 Mar		Ch. 17: 635, 637-638,	20 Mar	Cœlom, Respiratory System, and Digestive System
23 Mar		643-646, 648-649; Ch. 18:		
26 Mar	Circulatory System	661-673, 682; Ch. 19:	27 Mar	Circulatory System and Cardiovascular System
28 Mar		694-706, 713-714, 717-		
02 Apr		719, 721-723, 742-743;		
04 Apr		20: 753-761	03 Apr	Cardiovascular System (cont'd)
06 Apr				
16 Apr	Urinary and	Ch. 25: 960-978; 985-991;		
18 Apr	Reproductive Systems	Ch. 27: 1024-1031, 1040-1048	17 Apr	Urinary System and Reproductive System
20 Apr				
23 Apr	Exam 2	24 Apr		
25 Apr				Nervous System
27 Apr		Ch. 11: 386-395, 406; Ch.		
30 Apr		12: 429-453, 460-476,	01 May	Autonomic Nervous System and Senses
02 May	Nervous System	477-478; Ch. 13: 485-489,		
04 May		491-511, 514; Ch. 14:		
07 May		525-535; Ch. 15: 547-556,	08 May	Précis and Surface Anatomy
09 May		566, 574-582, 584-587		
11 May				
14 May	Endocrine System	Ch. 16: 595-596, 601-603, 608, 612-614, 618-619, 620-621, 623	15 May	Practical 2
22 May	Final Exam (9:00-11:50 am)			

¹The lecture schedule is tentative and will likely change. However, exam dates will not change.

²These are suggested pages for the topic; there may be other pages in the text that are applicable. It is recommended that you read the entire chapter and make use of the table of contents and index.

³Registration deadline: Students not registered register for Moodle, Mastering A&P, and i>Clicker will be dropped from the course.

⁴Census Date: last day to drop the course.