

IMPORTANT INFORMATION FOR ANATOMY STUDENTS AT MCC, Fall 2009:

Course name & no.: HUMAN ANATOMY (BIO 210), section 2723
Meeting times: Lab: Saturday 9:30am-3:15pm SAN 402 (30 minute lunch break)
Lecture is online through the “Blackboard” website
<http://blackboard.miracosta.edu>

Instructors:

Dr. John Thomford (lecture portion)

e-mail: jthomford@miracosta.edu phone 757-2121 x6410
office hrs: T 11am-12 noon 9OC 4518) & W 12:30-1:30pm (in SAN 404); or by appointment
Website: www.miracosta.edu/home/jthomford

Dr. Meredith Dornier (lab)

e-mail: mdornier@miracosta.edu
office hrs: Friday 10/23, 11/13, 12/11 12 noon- 2pm (SAN 402), additional hours TBA

COURSE DESCRIPTION

A. Prerequisite: Bio 101 or Nurs 151 or equivalent.

B. Student Learning Outcomes

Upon completion of this course students should have the following abilities:

1. Given a histological section of an organ (microscopic view), students will be able to distinguish which tissue types are present and justify the organization of those tissues based upon their functional roles.
2. Students will demonstrate appropriate dissection techniques on preserved specimens, applying a systemic approach.
3. Evaluate how the differences among people affect the structure and function of the human body.

C. Course Objectives

Successful completion of the following Course Objectives will enable the students to achieve the outcomes listed above:

1. To familiarize the student with the structure of the human body at the cellular, tissue, organ and system levels of organization. The following topics will be covered:

Basic anatomical terminology	Cytology	Histology
Integumentary system	Skeletal system	Articulations
Muscular system	Nervous system	Special senses
Digestive system	Respiratory system	Circulatory & lymphatic systems
Urinary system	Reproductive system	Endocrine system

2. To develop the ability to dissect and observe relationships of tissues, organs and systems of any vertebrate. You will also create dissecting plans for specimens that you will be working with (cat, sheep brain, heart).
3. To develop the ability to observe and interpret microscope slides of human and animal tissues
4. To identify major bones, muscles, organs, nerves and vessels of the body, describing their structure, basic function and integration with other systems.
5. To analyze and solve problems in hypothetical clinical situations.

D. Required Materials

- Textbook: **Human Anatomy, 6th ed.**, by F. H. Martini, M. J. Timmons & R.B. Tallitsch. (5th edition will be acceptable, but lecture and lab references will be directed toward the 6th ed.)
- Lab Manual: **A Photographic Atlas for the Anatomy & Physiology Laboratory**, by K.M. Van De Graaff et al. (6th ed., but any edition is acceptable; however, our lab objectives will refer to the 6th ed.)
- 1 box disposable latex gloves (~40 gloves) (*purchase at drug store prior to first cat dissection*)

E. Optional Materials

- **P.A.L. CD-ROM (Practice Anatomy Lab)** excellent for reviewing histology and dissections outside of class (*will be provided by instructor to students who purchase new split version of textbook from campus bookstore*) published by Pearson-Benjamin Cummings Co. (ISBN-10: 0-8053-9432-X)
- Lab Manual (*Dissection*): **Pictorial Anatomy of the Cat**, by S. Gilbert
- **Anatomy Coloring Book by Kapit (available at any bookstore)**
- **DiFiore's Atlas of Human Histology**, edited by Eroschenko
- **A Laboratory Manual & Study Guide for Human Anatomy**, 3rd edition, by B. H. Kalbus
- Other Manuals and CDs are available at bookstores or recommended websites.
- Lab coat or apron or old shirt, for use when dissecting; and fine tip paint brush for bone work.

F. Attendance & Miscellaneous

Please arrive to lab class on time (within 5 minutes of the start of class). Late arrivals are very disruptive and distracting. Another distraction is a ringing cell-phone or pager. **Please turn the ringers off during class.** We understand that emergencies do arise sometimes and someone may need to contact you. Please let friends and relatives know that during class time your phone/pager will be turned off and any emergency calls should be directed to the MCC Campus Police (757-2121 ext. 6640). Have the caller give the police your name, the nature of the emergency and the police will locate you in class. Furthermore, if you need to make a call, there will be frequent opportunities for you to step out of lab during the Saturday class period. You may take short breaks as needed and there will be a 30 minute lunch break during lab.

Attendance is required in lab. Therefore, we reserve the right to withdraw you from the course after you miss MORE THAN ONE FULL lab period (OR MORE THAN 6 CUMULATIVE HOURS, prior to **11/20/09**). Your presence in lab is very important since homework assignments will be given occasionally. If you miss a lab, please contact your lab partner(s) to determine if homework was given and what was missed. **Homework is not generally posted on the blackboard website. Frequently check the Announcements which will be posted on the Blackboard website.**

DEADLINES:

Sept. 5, 2009 Last day to withdraw without receiving a "W" on your transcript.

Nov. 20, 2009 Last day to withdraw from the course, receiving a "W" on your transcript.

You will be assigned into lab groups during the first lab period. These will be your partners up until the first lab practical at which time the instructor will re-assign the groups. After each lab practical the groups will be changed.

G. Exams and Grading

1. **Lecture Exams:** There will be five lecture exams (points breakdown on the next page). The first four will be given on the same date as Lab Practicals (see course schedule) while the fifth exam will be combined with the last lab practical and will take place online. Details will be given at least a week before the end of the semester. The lecture exams will evaluate your understanding of the material covered in lecture **and** laboratory. The questions will focus on the lecture and laboratory objectives that may be found on the Blackboard Learning System website (<http://blackboard.miracosta.edu>). Exam questions

will also test your ability to integrate concepts, apply them and think critically. Lecture tests will include multiple choice and short answer/essay questions. If you **MUST** miss a lecture exam, notify Dr. Dorner or Dr. Thomford within 48 hours after the scheduled exam. A makeup exam will be scheduled for you during finals week. You may only make up one lecture exam during the semester. Exams are not specifically cumulative however you will be expected to retain information from the earlier part of the course in order to fully understand the new material.

2. **Lab Exams:** Each lecture exam will be accompanied by a laboratory practical that will evaluate your ability to identify specific anatomical structures. **Lab practicals cannot be made up if you miss them.** You will receive a zero for that practical.

***Cheating on any exam will result in a zero on that exam and cannot be made up. Please note that the first four lecture exams and lab practicals are closed book and should be completely without collaboration with other students. The fifth and final lecture and lab exam will be administered online. For this exam **ONLY**, you may use your books; however collaboration with other students is strictly prohibited.

3. **Lab Quizzes:** There will be two lab quizzes during the semester. These will be similar to lab practicals on a smaller scale.
4. **Homework Assignments:** There will be several homework assignments given during the semester, primarily assigned during lab periods to be completed at home. Due dates will be announced when the assignments are handed out. Unless the instructor gives different directions, all assignments must be handed in at the beginning of lab the week after they have been assigned. In addition to various homework assignments, you will be expected to turn in three dissection plans per lab group. Instructions and details will be given during the semester.

Please record all your test scores and hang on to your homework so we can both keep track of your progress in the course. Use table on the next page to record **ALL** your scores.

- ✓ **EXTRA CREDIT:** You may earn up to 10 pts. of extra credit during the semester. You will be awarded 5 pts extra credit for each A.H.O.C. (Allied Health Occupations Club)-sponsored seminar or other specified seminars/ museum exhibits.

We do not grade on a curve. Your grade will be based on the following scale:

A = \geq 88% B = 78-87% C = 65-77% D = 55-64%

Calculating your grade: (total points you have/total possible) x 100 = your %.
The point system will be outlined & explained by your instructor during the first week of class. **If you want me to calculate your grade at any time during the semester, be sure to have all your scores recorded on the table at the end of this syllabus.**

H. Disabled Student Accommodations

Students with verifiable disability may qualify for certain academic accommodations. Please identify your needs as early in the semester as possible (prior to 1st exam) to the Disabled Student Programs and Services Office [Building 3000; phone (760) 795-6658]. Also refer to the MCC Catalog for more information. Please be aware that lab practicals cannot be made up or taken outside of class time. See me to make arrangements for extra time, if needed.

I. Open Labs, Reviewing Lab Material & Tutoring

1. Open labs may be scheduled at prearranged times, so that students may review lab materials outside of class time. We have arranged for teaching assistants to hold some open review sessions with all materials (except "wet" specimens) at the Oceanside Hub in room 1202. These will usually be held from 6-9 pm on M, T, W, & Th evenings. Actual dates will be posted on the Blackboard website for this class. If no students show up for tutoring before 7pm, the TAs will close down for the night. (You will be provided with information as to how to contact the TA to determine if he/she is present after 7pm.)

2. Some materials (books, micro-slides and some models) are placed on reserve at the San Elijo Campus Library and the Hub/Library at Oceanside campus. You will be given access to information which indicates what those materials are; refer to the Blackboard website for this info. The reserve materials must be used in the Library (phone ext. 6715 (OC) for hours) and you must have a current student i.d. to check out items that are on "closed reserve".

3. Tutoring for this class is available through Tutorial Services (bldg 1200, Oceanside: phone 757-2121 ext. 6682; SEC: bldg 100, ext. 7748). You may call for appointments. Appointments must be made >24 hours prior to the desired time.

J. Self-Testing and Quizzes

Review the "concept checks" in the textbook and test yourself on the questions at the end of each assigned chapter.

There are various websites that have useful pictures and diagrams that you may want to use for self-testing. Be sure to check out the Martini and Timmons website that is associated with your textbook (www.myaandp.com). You must have an access code.

Other useful websites:

www.gen.umn.edu/faculty_staff/jensen/1135/webanatomy/default.ht;

www.miracosta.edu/home/jthomford;

www.bio.psu.edu/faculty/strauss/anatomy/skel/skeletal.htm .

You should also search for new websites that may offer help to you. If you locate a good site, please share it with others. Thanks!

K. Blackboard Learning Website:

Lecture materials and Laboratory Exercises will be posted on the Blackboard Learning Website administered by MiraCosta College (<http://blackboard.miracosta.edu>). Please check the website frequently and download and print these documents. You are responsible for bringing the lab exercises to class with you along with your lab manual and textbook.

L. Outside Reading

Some journal articles may be assigned during the semester. They will be made available at the campus libraries and possibly may be viewed online through the Blackboard website. Be prepared to answer exam/homework questions that are relevant to the learning objectives with respect this reading.

M. Allied Health Occupations Club (AHOC)

Dr. Thomford is one of the faculty advisors for the Associated Students' Club called the Allied Health Occupations Club. This club is over 12 years old at MiraCosta College. It is a student-run club which primarily caters to the interests of students who are planning careers in the field of human or animal health. Anyone interested in becoming an active member of this club should contact me. If you want to be included on an email list to receive announcements related to club activities send me your email address. For further information on the club, its activities and club meetings, log onto my home website and scroll down to the information on the club: www.miracosta.edu/home/jthomford. Additionally, we have a blog at <http://mccahoc.blogspot.com/>, which will provide updated information.

N. RECORD ALL YOUR SCORES IN THE TABLE BELOW

Lab unit 2 assignment	/5	Exam #2	/80	Exam 4	/70
Microscope assignment	/5	Prac #2	/100	Prac 4	/70
Lecture quiz #1	/30	Spinal Cord quiz	/10	Exam 5	/40
Lab Quiz #1	/30	Sheep brain quiz	/10	Prac 5	/40
Articulations homework.	/10	HW- eye/ear	/10	Other?	
Lect. Exam 1	/100	Exam 3	/100	ExtraCredit	
Lab Prac. 1	/100	Prac 3	/100	ExtraCredit	
Dissection Plan - Head/Neck	/5	Dissection Plan- Abdominal Vessels	/5	TOTAL POINTS /950 Overall % =	
Dissection Plan - Back/Shoulder	/5	HW- CVS	/5		
Cat muscle pinning	/5	HW- heart models	/15		

Calculating your grade at any given time during the semester:
 (total points you currently have/total points currently possible) x 100 = your %.