
HUMAN ANATOMY AND PHYSIOLOGY II

Mesa Community College, Southern & Dobson

Instructor: Dr. Pamela Harrison
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Office Hours: MW 12:00-1:15pm, TR 9:00-10:15am, F by Appointment

You must have the same instructor (me) for both lecture and laboratory.

Lecture section	29677	MW	1:30 – 2:45	LS208
Laboratory sections	29678	M	3:00 – 5:50	LS106
	29679	W	3:00 – 5:50	LS106

Course Objective

The student will study the structure and function of the human body. Topics include cardiovascular system, lymphatic system, respiratory system, urinary system, digestive system and reproductive system.

Textbooks

Required:

Principles of Anatomy and Physiology: Tortora and Derrickson, 13th Ed., 2012. (Available in eBook version for iPad, Kindle or other eReader device at reduced price @ <http://www.wiley.com/WileyCDA/WileyTitle/productCd-EHEP001578.html>)

Note: if you already own any of the following textbooks, they are also acceptable.

Visual Anatomy and Physiology: Martini and Ober, 1st Ed., 2010.

Principles of Anatomy and Physiology: Tortora and Derrickson, 12th Ed., 2009 or 11th Ed., 2006.

Human Anatomy & Physiology: Elaine N. Marieb and Katja N. Hoehn, 7th Ed., 2005 or 8th Ed., 2008.

Anatomy and Physiology: Kenneth Saladin 4th Ed., 2007. or 5th Ed. 2010.

The Body Beautiful: Laboratory Manual for Human Anatomy and Physiology for Bio202:
Ronald D. Hill and Bonnie Kalison, Fall 2011 Printing.

Highly Recommended: WileyPlus or Mastering A&P

Food/Drink

Neither food nor drink is allowed in the classroom or lab. Water in closed containers is acceptable in lecture only.

Attendance Policy

Students are required to attend all lectures and lab sessions. READ your school catalog for details. I will follow the attendance policy stated within the catalog.

Withdrawal Policy

Should it become necessary for you to withdraw from the course, it is your responsibility to fill out the required paperwork. **Students who simply stop attending class will receive a Y (withdrawn failing) for the course.** Please see your student schedule in *my.maricopa.edu* for the Last Day to Withdraw without an Instructor Signature for each class in which you are enrolled. After the Last Day to Withdraw without an Instructor Signature you must come to me with paperwork and I will withdraw you from the class.

Academic dishonesty will not be tolerated

A first offense will result in a zero for the assignment. A second offense will result in an F for the course and a report to the Dean of Students. Please avoid even the appearance of academic dishonesty. **See the Student Handbook for campus- and District-wide policies.**

MCC Early Alert Program (EARS)

Mesa Community College is committed to the success of all our students. Numerous campus support services are available throughout your academic journey to assist you in achieving your educational goals. MCC has adopted an Early Alert Referral System (EARS) as part of a student success initiative to aid students in their educational pursuits. Faculty and Staff participate by alerting and referring students to campus services for added support. Students may receive a follow up call from various campus services as a result of being referred to EARS. Students are encouraged to participate, but these services are optional. Early Alert Web Page with Campus Resource Information can be located at: <http://www.mesacc.edu/students/ears>.

Special Services

Any student with special learning needs (learning disability, physical disability, vision impairment, etc) will be accommodated. Please let me know of your special needs and I will work with you and the Special Services Office on this campus to help you with your achieving success in both lab and lecture.

Assignment due dates and late policy

Lab questions will be assigned during the semester. They will be due the day of lab. Assignments turned in on this date are eligible for full credit. Assignments turned in late are not accepted. No excuses.

Classroom etiquette

Out of respect for one another, only one person will be talking at a time during lecture time. If there is confusion about the lecture, please ask me and not your neighbors.

Cell phones

Please turn off cell phones during class and lab. Telephones ringing in class are unacceptable. This is all part of good classroom etiquette that has to do with being polite, having mutual respect for each other and not disturbing fellow colleagues.

Identification on all school items

Write your **name and phone number** in all books, manuals, notebook, workbooks, notes, tape recorders, and anything else you bring to school. Frequently students leave something behind in class and no name appears so it goes into lost and found and never reaches the owner. In lab it is a good idea to mark your lab manuals and Rust guide because everyone has one just like yours.

Formation of study groups

Exchange phone numbers with at least 2 - 3 people in lecture and lab so you have someone to contact in case of missed classes or formation of a student study group. We find that many students gain much from study groups. The only word of caution is that you don't want the group to be too large. Also setting ground rules about chatting off the subject is sometimes necessary.

Hints for Classroom success

- 1) Good attendance is crucial. If you must miss a class, download the notes and email me your reason for missed attendance.
- 2) Read the material in the text before I lecture about it. You will then have a better feel for any questions you might have. Reread/rewrite your classroom notes ASAP after class. If you still have questions, I am always glad to help students.

Grading Policy

Your grade in Bio 202 will be determined **entirely** by the number of points you earn. **There will be NO scale, curve or dropped exams.**

Points Possible

Grading Scale

Three Lecture Exams (140 points/exam)	=	420 points	90 – 100%	=	A
Final Exam (180 points/exam)	=	180 points	80 – 89%	=	B
Thirteen Lecture Quizzes (20 points/quiz)	=	260 points	70 – 79%	=	C
Three Lab Practicals (130-160-100 points)	=	390 points	60 – 69%	=	D
Eleven Lab Exercises (10 points/exercise)	=	110 points	0 – 59%	=	F
Syllabus/VARK questionnaire	=	10 points			
<u>Participation Points</u>	=	<u>130 points</u>			
TOTAL POINTS POSSIBLE	=	1500 points			

Grade Reporting: All grades throughout the semester will be available on WebCT/Blackboard (<http://webct.mc.maricopa.edu>). Because lecture quizzes will be given in the WebCT/Blackboard environment, all students **MUST** have computer access and know how to login to WebCT/Blackboard. Your username and password is the same as you're my.maricopa.edu username and password.

Lecture Exams/ Lab Practicals: THERE WILL BE NO MAKE-UP EXAMS/PRACTICALS GIVEN WITHOUT PRIOR APPROVAL BY MYSELF. THIS APPROVAL IS ONLY GIVEN IN EXTREME, DOCUMENTABLE EMERGENCIES. ARRANGEMENTS MUST BE MADE BEFORE THE TEST IS GIVEN TO THE CLASS; OTHERWISE A GRADE OF 0 WILL BE GIVEN.

THE FINAL EXAM IS A COMPREHENSIVE EXAM. ANY STUDENT THAT SCORES BELOW A 60% ON THE FINAL WILL HAVE THEIR LETTER GRADE REDUCED BY ONE LETTER GRADE.

Lecture quizzes: A 20 point quiz covering previous lecture material will be completed online in the WebCT/Blackboard environment. These quizzes are a combination of multiple choice, true/false, short answer and fill in the blank questions. When the quizzes are due will be set according to when the material is completed in lecture and will be announced in lecture. **THERE ARE NO EXCUSES ACCEPTED FOR MISSING AN ONLINE LECTURE QUIZ. NO MAKEUP OR LATE QUIZZES WILL BE GIVEN. NO LECTURE QUIZZES SCORES WILL BE DROPPED.**

Lab exercises: In the lab, there will be 10 point lab exercises. 5 points will be given for Pre-lab questions and will be assessed at the beginning of each lab. 5 points are given for completing the lab and will be given at the end of each lab. **YOU MUST ATTEND LAB TO GET YOUR POINTS AND NO LAB EXERCISE SCORES WILL BE DROPPED.**

Clickers

We will be using iClickers this semester to track your participation in class. The clickers are a response system that allows you to respond to questions I pose during class, and you will be graded on that feedback and/or participation. The clickers will be provided to you if you don't already have one of your own. Each clicker is labeled. Make sure that you always use the same clicker, so that you receive your participation points. In order to receive credit for your votes, you will need to register your iclicker remote online before class on **JANUARY 23, 2012**. Each clicker has a unique serial number on the back of the remote. You must have come to class at least once and voted on at least one question, in order to complete this registration properly. Once you have voted on a question in my class, go to www.iclicker.com/registration. Complete the fields with your first name, last name, student ID, and remote ID (serial number). **Your student ID should be your myMaricopa username (first 3 letters of first name and 7 numbers)**. The remote ID is the series of numbers and sometimes letters found on the bottom of the back of your iclicker remote. The iclicker response system will be used every day in class, and you are responsible for having your remote daily. **ALWAYS RETURN YOUR CLICKER TO THE PROPER BIN BEFORE YOU LEAVE CLASS. FAILURE TO DO SO WILL RESULT IN WITHDRAWAL FROM THE CLASS AND A FINANCIAL PENALTY.**

Work-School Overload:

If you are working (majority of the students work) be careful to not overload yourself so success in the classroom is compromised. To succeed in this class you will have to spend at LEAST as much time studying outside the classroom as you spend in it, and most people actually spend twice as much time. That means that you will need 6-12 hours a WEEK to study for this class.

A rule of thumb:

- 1) Start with 16 hours (full time load)
- 2) Subtract from 16 (work hours \div 3)
- 3) Remainder is the number of hours suggested for enrollment

MW Lecture Schedule

Week	Lecture Topic	Reading
Jan 16 (Holiday) Jan 18	Martin Luther King Day Syllabus Review, Autonomic Nervous System Review	Chapter 15
Jan 23-25	Blood	Chapter 19
Jan 30-Feb 1	Heart	Chapter 20
Feb 6-8	Heart	Chapter 20
Feb 13-15	Blood Vessels and Circulation Lymphatic and Immunity (Not on Exam I)	Chapter 21 Chapter 22
Feb 20 (Holiday) Feb 22	President's Day EXAMINATION I (Chapters 15,19-21)	
Feb 27-29	Respiration	Chapter 23
Mar 5-7	Urinary System	Chapter 26
Mar 12-16	SPRING BREAK	
Mar 19-21	Fluids, Electrolytes and Acid/Base	Chapter 27
Mar 26-28	EXAMINATION II (Chapters 22,23,26,27) Endocrine System	Chapter 18
Apr 2-4	Digestive System	Chapter 24
Apr 9-11	Digestive System	Chapter 24
Apr 16-18	Metabolism and Nutrition EXAMINATION III (Chapter 18,24,25)	Chapter 25
Apr 23-25	Reproduction	Chapter 28
Apr 30-May 2	Development	Chapter 29
May 9 (Wed)	EXAMINATION IV, 2:00 – 3:50 (Comprehensive)	

Course content may vary from this outline to meet the needs of this particular group.

MW Laboratory Schedule

Week	Laboratory Topic	Laboratory
Jan 16 (Holiday) Jan 18	Martin Luther King Holiday No Labs	
Jan 23-25	Blood, Heart Anatomy	1 & 2
Jan 30-Feb 1	Heart Anatomy, Blood Vessels	2 & 3
Feb 6-8	ECG, BP, Heart Sounds	4
Feb 13-15	Lab Practical Exam I	
Feb 20 (Holiday) Feb 22	President's Day Holiday No labs	
Feb 27-29	Respiratory System Anatomy and Physiology	5
Mar 5-7	Urinary System Anatomy	6
Mar 12-16	Spring Break	
Mar 19-21	Urinalysis	7
Mar 26-28	Digestive System Anatomy	8
Apr 2-4	Digestive System Physiology	9
Apr 9-11	Lab Practical Exam II	
Apr 16-18	Reproductive and Endocrine Systems	10,11
Apr 23-25	Development	12
Apr 30-May 2	Lab Practical Exam III	

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