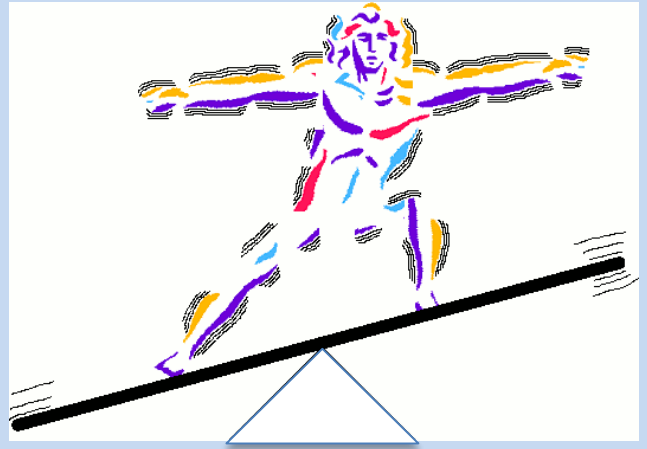









**HUMAN
ANATOMY & PHYSIOLOGY II
BIOL. 238.502 (27378)
SYLLABUS FOR SPRING 2016
SEMESTER**

**TUESDAY & THURSDAY
1:30-2:45PM in HS101
Dr. Claudia Barreto**



OFFICE HOURS: *You're welcome to attend office hours so I can help you succeed.* My office is room 100A in the Health Sciences Building. You do **not** need an appointment to come to my regularly scheduled office hours on MONDAYS 10:30-11:30AM & 1:00-2:30PM, WEDNESDAYS 7:30-8:30AM & 10:30-11:30AM, & THURSDAYS 10:30-11:30AM. ***If you have a conflict at these times, please contact me by email (barr@unm.edu) so we can schedule an alternate time to meet.***

LEARNING OUTCOMES: *Upon successful completion of this course you are expected to be able to demonstrate in written and exam formats that you can:*

-  **Recognize** and **use** anatomical and physiological terminology.
-  **Apply** your knowledge of the properties of the major organic and inorganic chemicals in order to **explain** their functions of in the context of human physiology.
-  **Apply** the concept of homeostasis to human physiological activity on the whole, and specifically to water, electrolyte, and pH balance.
-  **Explain** anatomical and physiological features of the endocrine, circulatory, lymphatic, immune, respiratory, urinary, digestive, and reproductive systems.
-  **Explain** cellular activities in the context of the above-named systems.
-  **Evaluate** pathological conditions as they relate to normal functioning of the above systems.
-  **Explain** the hormonal control of reproduction and the processes of gamete formation, fertilization, gestation, parturition, and early post-natal physiology.

REQUIRED LEARNING RESOURCES:

1. Custom Edition for UNM Valencia Anatomy & Physiology, ISBN: 1323237194 / 9781323237199.
This includes:
 - Custom loose-leaf textbook, using all of Marieb A&P 5/e (0321861582) adding Chapter 27 from Martini, Visual A&P
 - Mastering A&P Access code (**You MUST COMPLETE the learning activities at this site**)
 - Brief Atlas (A great resource for A&P Lab)
2. UNM email account to get class reflector messages. I will send you important course information & resources over our reflector. ***You are responsible for all announcements, information, and any changes to the syllabus that I send over the reflector,*** so please check your UNM email for A&P messages from me frequently.
3. Course Webpage (<https://learn.unm.edu/>). I'll put our class presentations & other learning resources on our Blackboard Learn webpage so you can have 24/7 access to them.

COURSE POLICIES:

1. **Tutoring to Help You Succeed.** If you do not earn a passing grade (<70%) on any 2 assignments, quizzes, or exams, you will be **required** to attend 2 hours of tutoring per week to get the guidance you need to master the material.
2. **Reading Quizzes.** To prepare to get the most out of our class meetings, you must **study** the assigned readings. We will take 8 reading quizzes over the semester. Each will be given during the first 5-minutes of class. The format is T/F questions on the reading assignment for that day.
3. **Special Needs.** Students with documented disabilities/special learning needs should please come speak with me during office hours the first week of classes so I can best facilitate your achievement of the learning outcomes for this course.
4. **Attendance** is necessary for you to participate in our class learning activities so you can fully comprehend the material we study. You are responsible for “signing in” before the start of class to document your attendance (= being ready to learn when class starts, remaining for the entire class period, & participating in all learning activities). After 3 unexcused absences you will be dropped from the course.
5. **Syllabus Agreement.** Carefully read this syllabus and honestly complete the contract. Turn it in before the start of our 3rd class meeting.
6. **Academic Misconduct.** Cheating and plagiarism are violations of University Policy (see Appendix B: Student Code of Conduct and Related Policies in the UNMVC catalog). Anyone caught cheating or plagiarizing (= copying the work of others) will be dealt with as per University Policy. ⚡
7. **Make-up Exams & Quizzes** will only be given to a student with a documented medical or family emergency. In such an event, please contact me ASAP so we can make arrangements in a timely manner.
8. **Changing Your Grade Option** requires a valid reason and a passing grade (71% or better).
9. **Cell Phones.** As a courtesy to the class, turn off your cell phones. **Texting is prohibited during class.**
10. **The Federal Family Educational Rights & Privacy Act (FERPA)** prohibits disclosing grade information to anyone but the student. I will not share your grades with anyone but you. Grades will **not** be sent over email as this is **not** a secure medium. To discuss your grade, please come to office hours.

COURSE GRADING: Your course grade will be determined as follows: Reading Quizzes (8) = 80 pts.; Exam-Prep Quizzes (4) = 80 pts.; Exams #1-3 (3) = 300 pts.; Exam #4 = 90 points; Final Comprehensive Exam = 50 pts.; Patient Reports (2) = 100 pts.; Attendance = 29 pts.; Syllabus Agreement = 5 pts. Classroom activities include opportunities to evaluate your comprehension & to earn extra credit. Use the Student Learning Outcomes and the class presentations (posted on Blackboard Learn) to focus your study time (at least 1 hours per day). Your points will be added and divided by the total possible points (729). Grades will be assigned based on your percentage, as follows: 100% or higher = A+; 91-99% = A; 90 = A-; 89% = B+; 81-88% = B; 80 = B-; 79% = C+; 71-78% = C; 70 = C-; 60-69% = D; below 60% = F

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⚡ Dishonesty in Academic Matters:

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty on quizzes, tests or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or professional qualifications within or outside the University.

Proposed Plan of Study

<i>DATE</i>	<i>ASSIGNMENTS TO PREPARE FOR TODAY'S CLASS</i>	<i>TODAY'S CLASS TOPIC</i>
JAN.19		ENDOCRINE
21	Study Ch. 15, 519-551	ENDOCRINE
26	Study Ch. 16, 552-560 & 571-573	BLOOD
28	Study Ch. 16, 560-571 & 574-575	BLOOD
FEB.02	Study Ch. 17, 576-597	HEART
04	Study Ch. 17, 597-604	HEART
09	Study Ch. 18, 605-617	BLOOD VESSELS & CIRCULATION
11	Study Ch. 18, 617-655	BLOOD VESSELS & CIRCULATION
16	Review chapters 15 - 18	REVIEW & QUIZ #1
18	Study for exam #1	EXAM #1
23	Study Ch. 19, 656-665 & Ch. 20 666-675	LYMPHATIC & IMMUNE
25	SORRY, NO CLASS MEETING TODAY	
MAR.01	Study Ch. 20, 675-699	IMMUNE
03	Study Ch. 21, 700-721	RESPIRATORY SYSTEM
08	Study Ch. 21, 721-740	RESPIRATORY SYSTEM
10	Study Ch. 22, 741-791	DIGESTIVE SYSTEM
SPRING BREAK		
22	Study Ch. 23, 792-827 & 925-927	NUTRITION & METABOLISM
24	Review chapters 19 - 21	REVIEW & QUIZ #2
29	Study for exam #2	EXAM #2
31	Study Ch. 24, 834-842	URINARY SYSTEM
APR. 05	Study Ch. 24, 842-857	URINARY SYSTEM
07	Study Ch. 24, 857-864	URINARY SYSTEM
12	Study Ch. 25, 865-878	H ₂ O & E-LYTE HOMEOSTASIS
14	Study Ch. 25, 878-886	ACID-BASE HOMEOSTASIS
19	Review chapters 24 & 25	REVIEW & QUIZ #3
21	Study for exam #3	EXAM #3
26	Study Ch. 26, 887-903	MALE REPRODUCTIVE
28	Study Ch. 26, 903-923	FEMALE REPRODUCTIVE
MAY 03	Study Ch. 27	HUMAN DEVELOPMENT
05	Study for exam #4 & comprehensive exam	REVIEW & QUIZ #4
WE ARE REQUIRED TO TAKE OUR FINAL EXAMS ON THURSDAY, MAY 12TH 1:30 – 3:30 PM		

HOW TO SUCCEED IN A&P

You have enrolled in this course because you have chosen to prepare for a profession in the health sciences. This is a praiseworthy goal because you will bring comfort & healing to many. In this course **YOU must take the responsibility for learning** anatomy & physiology. The goal of this course is **not** to memorize inconsequential facts, but to help you gain a thorough understanding & appreciation of the complexities and dynamics of how the human body functions. To achieve this **YOU** must take an **ACTIVE** role in your education. You need to acquire the skills of a life-long learner so that you can be an effective professional. As a healthcare/biomedical professional you must have a comprehensive grasp of biology, chemistry, physics, & mathematics. As a practitioner, you will be inundated with new discoveries in the causes of & treatments for a vast array of diseases and disorders. The material we cover in this course is fascinating, besides being essential to your career, so **plan on setting aside time to seriously & effectively study every day**. You will need to be able to integrate and apply all of the concepts and processes from A&P to effectively perform your professional obligations. Make the most of this course so you can become the person whom you would **trust** with the care of your loved ones.

"WORDS TO THE WISE"

☞ **Come to class prepared by:**

- + Reading & STUDYING each chapter *as per the dates assigned on this syllabus*.
- + Using all of the study tools in the "Study Area" of Mastering A&P.
 - *Completing all of the Mastering A&P (MAP) activities as we study each chapter.*
- + Completing all the tutorials that are on your syllabus and on the PowerPoint slides.
- + Completing all of the Interactive Physiology (CD) Modules as per the topics on this syllabus.

☞ **Organize the material in your own mind so it makes sense to you.**

☞ **Make sure you are able to explain, in your own words, the concepts & processes to someone else who does not have a science education.**

- + Forming study groups is a great way to practice explaining A&P the material we are studying.
- + Work with the tutors @ the Learning Center & STEM Resource Center.
- + In order to clearly explain the concepts and processes to a prospective patient, the knowledge must be soundly established in your mind.

☞ **Self-test your understanding of the material by:**

- + Compressively completing the "Learning Outcomes" from the PPT slides.
- + Compressively completing the Knowledge "Assessment Questions" posted on our web page.

☞ **Ask questions during class &/or my office hours.**

☞ **Take advantage of all of the learning resources provided to you.**