



WBUonline
School of Mathematics & Sciences
Syllabus for Biol2409

WAYLAND MISSION STATEMENT:

Wayland Baptist University exists to educate students in an academically challenging, learning-focused, and distinctively Christian environment for professional success, and service to God and humankind.

BIOL 2409- FUNDAMENTALS OF HUMAN ANATOMY & PHYSIOLOGY II

Summer 2018

INSTRUCTOR:

Dr. Patricia Ritschel-Trifilo

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CATALOG DESCRIPTION:

Designed for students preparing for application to nursing school or those allied health programs accepting lower-level anatomy and physiology as prerequisites. Topics covered in semester 1 of the two semester sequence will include the introductory concepts of structure and function of the human body and its major organs; the anatomy and physiology of the skeletal, muscular, and neural systems; the basic interrelationships involved in these organ systems as found in a normal human body; and representative disease processes affecting the normal functioning of these body systems. Lecture/Lab: 4 hours.

PREREQUISITE:

BIOL1400 or BIOL1401, CHEM1400 or CHEM1401, and Biol 2408, or instructor approval.

REQUIRED TEXTBOOK AND RESOURCES MATERIALS:

Visual Anatomy and Physiology Martini, Ober, Nath, Bartholomew, Petti. 3rd. Ed. 2017 Pearson
Including Mastering A&P access code.

ISBN 9780134396408 (physical text and Mastering)

ISBN 9780134469553 (Mastering with etext only)

You must

1. Be enrolled from Mastering Last Term...it will carry over-no extra purchase.
2. Purchase a book with access to Mastering A&P (this would be a new texts specifically identified with access)
3. Or you can buy a used/new textbook and purchase the access online via the Pearson site.

(The Pearson site also has etext books [not required] available for purchase).

MASTERING A&P PEARSON WEBSITE:

Do not use Chrome to access this website. Chrome no longer supports some of the plugins needed to make the interactions work. So Firefox or IE are best.

<http://www.pearsonmylabandmastering.com/northamerica/masteringaandp/students/get-registered/>

Course ID for Pearson: posted right before term.

COURSE WEBSITE:

A course website has been established on WBU's Blackboard server. Each student is REQUIRED to establish an active account for this website and to log on to BB regularly for posted lecture notes, messages, assignments, handouts, and quizzes.

COURSE COMMUNICATION POLICY:

Wayland's email address is the official method of communication between instructors and students taking courses through Wayland Baptist University. Students are REQUIRED to establish and activate their Wayland email account. Instructors reserve the right to deny email from other sources.

COURSE OUTCOME COMPETENCIES:

The students will be able to:

1. Explain the integrated function of the interdependent organ system as well as the operation of these systems independently.
2. Use correct and useful, working vocabulary within the disciplines of anatomy and physiology.
3. Identify through integrated lectures and laboratory exercises, the basic structures mechanisms in homeostasis and to have a knowledge base of how disturbances in homeostatic mechanisms produce disease(s).

ATTENDANCE REQUIREMENTS:

"The University expects students to make class attendance a priority." You should note that failure to attend class will affect your ability to perform well on exams. Students must have good class attendance to be successful in this course.

1. The student is required to attend class online. This is a physical presence in the Blackboard classroom or Mastering classroom. This is recorded and date/time stamped in Blackboard. Discussions, quizzes, supplemental material review, and class activities all count towards attendance. You should be in the classroom a minimum of 4 hours for attendance purposes.
2. Students missing more than 25% of scheduled classes may receive an F and should consider dropping from the course.
3. The lab component of this course is one full credit hour. **Students failing to complete the lab component of the course will automatically fail the course.**
4. ALL absences (including for University sponsored events) must be discussed with the instructor BEFORE the absence or they will be unexcused.
5. No make-up Lecture Exams will be given, unless arrangements are made in advance of foreseen absences and emergencies will be accepted if it can be clearly documented (e.g.: Dr's note).
6. Unexcused absences can NOT be made-up and a grade of 0% will be recorded for that activity.
7. Students are responsible for all material covered in class (lecture and laboratory), as well as all assigned work (textbook reading, study problems, homework exercises, etc...).
8. Students are responsible for Internet connections that are sufficient to work for labs and exams. Know that shared wifi sometimes causes disconnections especially if video is involved.

DISABILITY STATEMENT:

"In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291-3765. Documentation of a disability must accompany any request for accommodations."

ACADEMIC HONESTY:

"University students are required to conduct themselves according to the highest standards of academic honesty." Any student guilty of cheating or other forms of academic dishonesty may be penalized at the instructor's discretion by one or more of the following:

1. Assigning a grade of F (0%) to the work in question.
2. Assigning a grade of F for the entire course.
3. Recommendation for more severe punishment; including probation, suspension, or expulsion from the University (see student handbook for further information)

COURSE REQUIREMENT AND GRADING CRITERIA:

Students should allow a very minimum of 4-8 hours per week for reading, reviewing, studying, and homework exercising. Your course grade will be determined based on the number of points you earn on lecture exams, laboratory reports, laboratory exams, discussions and quizzes:

COURSE EVALUATION AND GRADING:

The final grade in the course will be derived as follows:

Quizzes -	8%
4 Lecture exams (~every two weeks)	24%
4 laboratory exams	24%
Lab reports and class activities	24%
Discussion Boards	8%
Final Comprehensive exam	12%

University grading system:

A 90-100 **B** 80-89 **C** 70-79 **D** 60-69 **F** below 60 **I** incomplete **W** withdrawal

Quizzes and Lecture exams will cover reading material and supplemental resource materials. Labs will be used to identify anatomical structures and explore the physiological concepts associated with the topic of the week.

Lab exams will cover lab materials and activities. They will include labeling, problem solving, case studies, and application of concepts.

Discussion boards are places for expanding concepts, exploring tangents of topics, and asking and answering questions.

The comprehensive final will include all lecture and lab materials from the course. There is no review given, but quizzes, discussions, and Mastering A&P review materials should help in preparation. Anatomy builds on previous foundation of materials. Materials are constantly reviewed as we proceed through the course.

Essentially each week of work will include readings from the text, viewing supplemental materials, doing in class activities, Mastering A&P lab activity and exercises (some with a report), and quiz on text material.

Important Dates

May 28 Term begins
May 28 Memorial Day
 Jun 12 Census Date (Last day to drop without record) (25% tuition refund)
July 4 Independence Day
 July 20 Last day to drop course w/ "W" (no tuition refund)
 July 27 Last day to drop course w/ "WP/WF"
 Aug 11 Last day of the term

Tentative Schedule

Date	Topic	Chapters	Assignments/Labs	Due Dates
Week 1	Blood	Chapter 17	Mastering A&P In class - Quiz	
May 28	Memorial Day			
Week 2	Cardiovascular	Chapter 18 and 19	Mastering A&P In Class Quiz	
Week 3	Lymphatic System and Body Defenses	Chapter 20	Mastering A&P In class Quiz	
	Lecture Exam 1	Chapters 17-20	Opens Sunday at noon.	Monday 11:59pm
	Lab Exam 1	Blood, Cardio, Lymph	Opens Sunday at noon	Monday 11:59pm
Week 4	Respiratory	Chapter 21	Dr. T's videos Mastering PAL In class Quiz	Sunday
Week 5	Endocrine	Chapter 16	Dr. T's Video' Mastering PAL 3.0 In class Quiz	Monday
	Lecture Exam 2	Chapters 21 and 16	Opens Sunday at midnight	Monday 11:59pm
	Lab Exam 2	Respiratory and Endocrine	Opens Sunday at midnight	Monday 11:59pm
Week 6	Digestive System	Chapter 22	Dr. T's videos Mastering PAL 3.0 In class quiz	

Date	Topic	Chapters	Assignments/Labs	Due Dates
4 July	Happy Independence Day		No Assignment due	
Week 7	Nutrition Urinary System	Chapter 23 Chapter 24	Mastering A&P In class Quiz	
Week 8	Urinary	Chapter 24 and 25	Mastering A&P In Class Quiz	
	Lecture Exam 3	Chapters 22,23,24,25	Opens Sunday at noon	Monday 11:59pm
	Lab Exam 3	Digestive, Urinary	Opens Sunday at noon	Monday 11:59pm
Week 9	Male Reproductive	Chapter 26 and 27	Mastering A&P In Class Quiz	
Week 10	Female Reproductive	Chapter 26 and 27	Mastering A&P In Class Quiz	
	Lecture Exam 4	Chapters 26 and 27	Opens Sunday at noon	Monday 11:59pm
	Lab Exam 4	Male and Female Reproductive System	Opens Sunday at noon	Monday 11:59pm
Week 11		Final Proctored Exam – Comprehensive	August 6-11	August 11 11:59pm

