

**WBUonline**

**School of Mathematics & Sciences**

**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 2017**

**INSTRUCTOR:** Dr. Patricia Ritschel-Trifilo

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**Office:** online in Abilene Texas

**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, or instructor approval.

**REQUIRED TEXTBOOK AND RESOURCES MATERIALS**:

*Essentials of Human Anatomy & Physiology*

Elaine N. Marieb

11th Ed. – Pearson (**ISBN-10:      0321918754; ISBN-13: 9780321918758**)

**Including *Mastering A&P access.***

**You must** either:

 1. Purchase a book with access to Mastering A&P (this would be a new text

specifically identified with access) or one you used for BIOL2408 last term

 2. Or you can buy a used/new textbook and purchase the access online via the Pearson site for $38.50.

(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/**](http://www.pearsonmylabandmastering.com/northamerica/masteringaandp/students/get-registered/)

**Course ID: MAPTRIFILO54915**

**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.

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.

Students missing more than 25% of scheduled classes may receive an F and should consider dropping from the course.

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.

ALL absences (including for University sponsored events) must be discussed with the instructor BEFORE the absence or they will be unexcused.

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).

Unexcused absences can NOT be made-up and a grade of 0% will be recorded for that activity.

Students are responsible for all material covered in class (lecture and laboratory), as well as all assigned work

**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 REQUIREMENTS 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 29 Term Begins - Federal Holiday - Memorial Day

June 13 Census Day (last day to drop without record if non-participating)

July 4 Independence Day - no assignments due this day

July 21       Last day to drop course w/ "W" (no tuition refund)
July 28        Last day to drop course w/ "WP/WF"

Aug 12        Last day of the term

**Tentative Schedule**

**(scroll down for table)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Topic | Chapters | Assignments/Labs | Due Dates |
| **Week 1**May 30 | Blood | Chapter 10 | Mastering A&P |  |
| **Week 2**June 5 | Cardiovascular | Chapter 11 |  |  |
| **Week 3**June 12 | Lymphatic System and Body Defenses | Chapter 12 |   |  |
| June 18 | Lecture Exam 1 | Chapters 10, 11, and 12 | **Opens Sunday at noon.** | Tuesday 11:59pm |
| June 18 | Lab Exam 1 | Blood, Cardio, Lymph | **Opens Sunday at noon** | Tuesday 11:59pm |
| **Week 4**June 19 | Respiratory | Chapter 13 |  |  |
| **Week 5**June 26 | Endocrine | Chapter 9 |  |  |
| July 1,2,3 | Lecture Exam 2 | Chapters 13 and 9 | **Opens Saturday** | Monday 11:59pm |
|  | Lab Exam 2 | Respiratory, Endocrine | **Opens Saturday** | Monday 11:59pm |
| **Week 6****July 3** | Digestive System | Chapter 14 |  |  |
| **Week 7**July 10 | Nutrition / Urinary | Chapter 14 |  |  |
| **Week 8**July 17 | Urinary  | Chapter 15 |  |  |
| July 23  | Lecture Exam 3 | Chapter 14, 15 | **Opens Sunday at noon** | Tuesday11:59pm  |
| July 23 | Lab Exam 3 | Digestive, Urinary | **Opens Sunday at noon** | Tuesday11:59pm |
| **Week 9**July 24 | Male Reproductive | Chapter 16 |  |  |
| **Week 10**July 31 | Female Reproductive | Chapter 16 |  |  |
| Aug 6 | Lecture Exam 4 | Chapter 16 | **Opens Sunday at noon** | Tuesday 11:59pm |
| Aug 6 | Lab Exam 4 | Male and Female Repro | **Opens Sunday at noon** | Tuesday 11:59pm |
| **Week 11****Aug 7** |  | **Final Proctored Exam – Comprehensive** |  | Aug 1211:59pm |