

Anatomy & Physiology I Course Syllabus

GENERAL COURSE INFORMATION:

Course Title: Anatomy & Physiology I

Trimester Credit Hours: 4

Course Director: Dr. J. Michael Perryman

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Phone number: 972-438-6932 ext. 7329

Course Number: BIOL-2401

Total Contact Hours Per Semester: 90

Class meeting time:

M/W 9:00-12:50 LabA1 /Lec2/ LabB1

Fri 9:00-4:50 LabA2 / Lec 4 / LabB2

Lab Hours Per Week: 4

Lab Contact Hours/Semester: 30

COURSE DESCRIPTION:

This course is designed for students pursuing a major/minor in Anatomy and/or other related disciplines. All learning outcomes (objectives) of this course are intended to provide a measurable and/or observable means to evaluate the student's proficiency in the given topics to be discussed throughout the duration of this course. All objectives will directly relate to the curriculum committee approved content for each course. Topics to be covered include cell structure and function, tissues, organization of the human body, and the following organ systems: integument, skeletal, muscular, and nervous. Emphasis is on homeostasis. The course consists of 8 lecture/ 4 lab hours per week.

GENERAL APPROACH TO TEACHING:

The purpose of this course is to provide applicable knowledge of the structure of the human body, and foundation information for understanding physiology, cell biology, developmental anatomy, histology, and pathophysiology. Practical information is presented in this course that will enable students to apply pertinent facts to real-world situations they might encounter in their chosen profession. This will be accomplished thru multiple approaches to include didactic discussion, power point presentations, and in-class discussion of applicable case studies. Students are expected to come to class prepared to discuss topics as they are outlined in the course syllabus provided.

ESTIMATE OF STUDENT WORKLOAD:

Depending on the level of success one would anticipate in this course, the student should plan on spending an average of 7-10 hours per week reviewing materials presented in this class. I would also encourage the student to consider accessing the podcast presentation made available thru Information Services. A student should plan to spend a minimum of 3 to 6 hours per week on materials presented in this course. Pharmacology has a rational basis in Physiology, Biochemistry. The outline syllabus supplies a core structure for lecture material to be discussed in class. And while lecture notes attempt to emphasize the most significant information of value, you are strongly advised to supplement these by references to and study of the text assignments shown on the course schedule.

LEARNING OUTCOMES:

All learning outcomes (objectives) of this course are intended to provide a measurable and/or observable means to evaluate the student's proficiency in the given topics to be discussed throughout the duration of this course. All objectives will directly relate to the curriculum committee approved content for each course.

After successfully completing A&P I the student be able to define or discuss, either orally or in writing, the following topics:

1. fields of biology
2. biochemical/physiochemical relationships as they relate to organs and organ systems
3. general body structure
4. general body structure
5. cell/tissue structure & function
6. cell replication ,DNA/RNA, & genetics
7. identity of selected tissues, bones, & muscles
8. skeletal physiology and organ system
9. muscular system & physiology
10. central/peripheral nervous system

ASSESSMENT:

The student will be assessed in this course by lecture exams composed of multiple choice questions which will cover materials and subject matter to be discussed in class. Pop quizzes will also be utilized as an assessment tool and will be given anytime during any class period. Quizzes given during each unit of material will represent extra points added the exam given over the current unit of material(i.e.3 quizzes-3 points)Quizzes range from 5-10 questions. No make-up quizzes. There will be a comprehensive Final Exam, usually 100 questions in length, that will cover topics discussed over the course of the trimester. The questions will be matched with the learning outcomes listed above to ensure continuity between lecture and exams given.

PREREQUISITES: Enrolled in Parker University.

REQUIRED TEXTBOOKS:

Anatomy and Physiology for the Manual Therapies, Kuntzman & Tortora, 1st edition, 2010, Wiley & Sons.

Atlas of Human Anatomy, Netter, 5th edition, 2011, Saunders.

RECOMMENDED ADDITIONAL TEXTBOOKS: Gray's Anatomy for students, Drake, 2nd edition, 2010, Churchill Livingstone.

SUPPLIES: Supplies necessary for this course include 4 scantrons (#882) for the scheduled lecture exams.. Student will also need to have notebook paper available for in class pop quizzes.

GRADING SYSTEM:

Evaluation is an integral part of the educational process and is used as an educational tool identify problem areas, to recognize and reward achievement, and to identify students who are unable to meet the rigors of the curriculum. Final course grades and their interpretation are listed below:

Grade	Numerical Value	Grade Point Average	Interpretation of Academic Achievement
A	89.5 - 100	4.0	Excellent
B	79.5 – 89.4	3.0	Above Average
C	69.5 – 79.4	2.0	Satisfactory
F	Below 69.5	0.0	Unacceptable

EVALUATION:

The student will be evaluated during the course as follows:

Four(4) Unit exams @ 15% each :	60%
Two(2) Lab Practicals @ 15% each :	30%
Lecture/Lab Quizzes :	<u>10%</u>
	100%

All lecture tests in the Anatomy & Physiology I course cover subject matter based on the specific unit of material as scheduled on the course calendar. It is also expected that the student is competent in material covered in previous lectures that are considered relevant to the subject matter being discussed during each unit for this course. Therefore, where appropriate, material from those lectures may also appear on subsequent exams.

LABS: Lab schedules will be announced in class

OPEN LABS: Times for Open labs will be announced in class.

90/90 RULE: This is not a 90:90 class.

EXTRA CREDIT: There is no extra credit work available in this course.

COMMON ACADEMIC POLICIES

A complete listing of all Common Academic policies is found on the MyParker webpage @ <https://my.parker.edu/ICS/Academics - Coursework/Academics/Common Policies/>:

- Absences for Religious Holidays
- Academic Dishonesty
- Academic Promotion, Probation and Dismissal Policy
- Altering Grades on Exams
- Appeals
- Assistance and Accommodations
- Attendance Policy
- Audio/Video Taping
- Cell Phones and Electronic Devices in Class
- Classroom Behavior
- Communications
- Computer Usage
- Exam Review
- Examinations (Make up Exams/Lab Practicals)
- Excused Absences
- Final Examinations
- Grading System
- Late Instructors to Lecture/Lab
- Grade Appeals Process
- Missed Exam Policy
- Professional Decorum
- Special Needs Consideration
- Student Bereavement Policy

DISCLAIMER

The lecture outlines contained in the lecture booklet are NOT intended to represent the entire content of the course. A lecture outline is intended to be a guide to the lecture. The responsibility of the instructor is to follow the outline, expand the concepts and give explanation and illustrations to clarify content. The role of the student is to attend lecture and take notes over material presented by the lecturer that explains and illustrates the material listed in the outline. It is also the responsibility of the student to question the instructor if explanations and illustrations are not clearly presented or understood.

The instructors take no responsibility for the accuracy or completeness of old notes, quiz questions or exam questions that students may purchase, acquire from off of the internet or be given by previous students.

IMPORTANT NOTE:

The provisions contained in this syllabus do not constitute a binding contract between the student and Parker University. These provisions may be changed at any time and for any reason at the discretion of the Course Director. When it is

necessary to make changes to this document, appropriate notice (at least one week, if possible) will be given to the student(s).