

General Anatomy & Physiology

806-177

Syllabus

General Anatomy & Physiology (16 Week Course)

Instructor

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Office Hours
Monday: 2 pm to 3 pm
Tuesday: 2 pm to 3 pm
Wednesday: 2 pm to 3 pm
Thursday: 2:30 pm to 4:30 pm

Beginning Date August 24 to December 14 (NO CLASS on SEPT. 7)

Number of Weeks 16 weeks

Meeting Times/Location Monday 9 am to 2 pm /Room K 101

Course Description

Examines concepts of human anatomy and physiology relative to health sciences. Emphasizes interrelationships between structure and function at the gross and microscopic levels of organization using a body systems approach. Assists health care professionals in applying concepts of whole body anatomy and physiology to informed decision-making and professional communication with colleagues and patients. Provides the foundation, and is prerequisite to, Advanced Anatomy and Physiology.

Course Prerequisites

High School Chemistry with a "C" or better

Textbooks

Anatomy & Physiology

Author: Saladin
Publisher: McGraw-Hill
Copyright: 2010 by McGraw-Hill
Edition: Fifth edition
ISBN: 978-0-07-352569-3
Source: MPTC Bookstore
Required: Yes

General Anatomy and Physiology Module

Required: Yes (available online)

General Education Outcomes

- o Evaluate biological concepts as they relate to the human body at the cellular level.
- o Examine anatomy and physiology concepts.
- o Examine changes in body functioning resulting from disease processes.

Core Abilities

Work cooperatively.

Learner completes assigned tasks for team/group work

Learner uses collaborative strategies to complete tasks

Learner exchanges information, ideas, and opinions in a team/group setting

Learner shows evidence of respect for diversity

Act responsibly.

Learner completes assigned tasks according to prescribed deadlines.

Learner completes assigned tasks according to prescribed criteria.

Learner adheres to established attendance criteria.

Value self positively.

Learner adapts hygiene and appearance to requirements of work and educational environment.

Learner identifies personal strengths and areas for improvement.

Think critically and creatively.

Learner synthesizes information from a variety of sources.

Learner uses problem-solving and decision-making strategies.

Communicate clearly.

Learner uses bias free language.

Learner uses language that is free of obscenities.

Learner applies listening skills.

Learner applies standard rules of language structure including grammar, spelling and punctuation.

Work productively.

Learner completes assigned tasks according to established conditions.

Learner evaluates work using established criteria.

Learn effectively.

Learner uses resources to meet learning needs.

Learner organizes information.

Learner produces evidence of learning.

Competencies - Course Level (*This information comes directly from your module*)

1. Apply descriptive, anatomical, physiological, and directional terminology to the human body and its organization.
2. Classify the major chemical components of living things according to their structure and function.
3. Characterize the basic structure and functions of the cell and its parts.
4. Illustrate how cells store and use energy.
5. Correlate the structure of tissues with their functions.
6. Analyze the role of DNA in controlling cell functions.
7. Analyze how components of the integumentary system function in the body.
8. Analyze how components of the skeletal system function in the body.
9. Analyze how components of the muscular system function in the body.
10. Analyze how components of the nervous system function in the body.
11. Analyze how components of the somatic and special senses function in the body.
12. Analyze how components of the endocrine system function in the body.
13. Analyze how components of blood function in the body.
14. Analyze how components of the cardiovascular system function in the body.
15. Analyze how components of the lymphatic system function in the body.
16. Analyze how components of the digestive system function in the body.
17. Analyze how components of the respiratory system function in the body.
18. Analyze how the macroscopic components of the urinary system function in the body.
19. Analyze how components of the reproductive systems function in the body.
20. Use scientific equipment, methods, and safety precautions appropriate to lab environment.

Grading Rationale

Grades will be determined by the following:

Lecture Quizzes 14 at 15 points each and 1 at 45 points for **255** points

Laboratory Quizzes: 14 at 30 points each for **420** points

In Class Assessments: 15 at 10 points each for **150** points

Disease Poster: 1 at 100 points for **100** points

Total Points: 925

****ALL GRADES WILL BE POSTED ON E-COLLEGE****

Grading Scale

A 856 - 925 points

B 772 - 855 points

C 698 - 771 points

NC Less than 698 points

In-class assessments:

Each in-class assessment is worth **10 points** for a total of **150** points. There are **NO make up in-class assessments**. However, you can request up to **two** alternative assessments throughout the semester. Alternative assessments **MUST** be requested by the class period following the absence. The alternative assessment is **DUE** the 2nd class period following the absence.

Lecture Quizzes:

There will be **14** Lecture quizzes in this course worth **15 points** each. **One** lecture quiz will be **45 points (cells, metabolism, DNA)**. Lecture quizzes will be in multiple choice or short answer format. Students will be given a detailed study guide one week prior to each lecture quiz. Study guides will also be available on e-college.

Laboratory quizzes:

There will be **14** lab quizzes in this course worth **30 points** each. Lab quizzes will include identification of structures on models and/or diagrams. A lab quiz may also include other information as indicated by the instructor. Lab structure lists for each quiz will be provided in a packet. An alphabetical word bank will be provided for **MOST** lab quizzes.

76% COMPETENCY REQUIREMENT FOR QUIZZES: It is MPTC policy that students should be competent in all areas of a course. Therefore, you must receive at least 76% (**34/45**) on **EVERY combined** lecture/lab quiz. If you receive less than 76%, you will need to meet with the instructor at the end of class to discuss a short assignment. All **original scores** are recorded. You will be allowed to receive less than 76% on **three** lecture/lab quiz combinations. If you receive less than 76% on a fourth lecture/lab quiz combination, you will need to **DROP** the course or stay in the course and receive a NC grade. Receiving less than 76% on a fourth lecture/lab quiz combination is equivalent to not demonstrating competency in 25% of the material.

MISSED CLASS/MISSED QUIZZES:

If you miss class, it is your responsibility to get **ALL CLASS INFORMATION** from a **CLASSMATE**. Some information given in class **MAY NOT** be included in your class handouts. The student is responsible for material covered **regardless** of whether they are present in class.

Students will be allowed to **MAKE-UP** missed quizzes from a **MAXIMUM of TWO** class periods. All make-up quizzes will be taken on the **LAST DAY OF CLASS**.

FAILURE TO MAKE UP MISSED QUIZZES ON THE LAST DAY OF CLASS WILL RESULT IN AN INCOMPLETE GRADE FOR THE COURSE.

Disease Poster project: You must receive at least 76% (**76/100**) on the poster project. If you receive less than 76%, you will need to resubmit poster with corrections. The **ORIGINAL SCORE** will be recorded. See handout for requirements.

Guidelines and Information

Academic Honesty 1

Students are expected to do their own work unless advised that collaboration is acceptable. This means that you may use facts from other sources if you re-write them in your own words. Anytime you quote directly from another source or paraphrase substantially, you must cite the source you used. When you take a test, you are expected to keep your eyes on your own paper and protect your test paper from being copied by a classmate.

Plagiarism: Plagiarism includes copying other students' work, as well as directly copying material from other sources (your textbook, Web sites, news and magazine articles, lab manual, etc.) without properly citing it. Plagiarism is a form of cheating. Plagiarism on an exam or assignment will result in an automatic grade of zero for the exam or assignment. Repeat offenses will result in automatic failure of the course. If you have questions about plagiarism, paraphrasing or citations, please see me and/or refer to the following websites:

www.indiana.edu/~wts/wts/plagiarism.html

www.wisc-online.com/objects/index.asp?objID=WCN4802

ADA Statement 1

I wish to fully include persons with disabilities in this course. Please let me know if you need any special accommodations in the curriculum, instruction, or assessments of this course to enable you to fully participate. I will maintain the confidentiality of the information you share with me.

Attendance 1

This is a 16 session course and every session is important. Please see me if you miss a class. You must complete makeup work prior to the next class session. **YOU ARE RESPONSIBLE FOR OBTAINING ANY MISSED NOTES OR ASSIGNMENTS IN A TIMELY MANNER. IT IS NOT THE RESPONSIBILITY OF THE INSTRUCTOR.**

College Policies

If you have questions regarding affirmative action, equal opportunity, harassment, or information about any other college policies may refer to the current college catalog or student handbook available.

Independent Work

Periodically throughout the program you will be asked to participate in independent activities, which may take several different forms, such as independent study, interactive instruction, laboratory exercises, research and internet exploration. These activities are an integral part of the total curriculum, but will have minimal instructor involvement. They provide you with the opportunity to demonstrate your ability to work independently to meet a designated goal as well as to show development in the various core abilities associated with the program.