

Course Number: BIO 1110

Course Title: Anatomy and Physiology

Course Description:

Introduction to concepts and processes in human anatomy and physiology. This course will focus on the structure and function of various cells, tissues, and organs, of the human body. Special emphasis will be given to the skeletal, muscular, circulatory and respiratory systems. 3 credit hours. (3 plus 0)

Prerequisites: None.

Credit hours: 3

Learning Outcomes:

Upon the successful completion of this course, students will be able to:

1. Master vocabulary associated with anatomical position and anatomical terms associated with the body.
2. Know the specific organelles located in most human cells.
3. Learn the components and concepts of cells, tissues, organs, and organ systems
4. Learn and understand the 12 major organ systems
5. Know the major bones and there location in the human body.
6. Master the 6 types of freely movable joints, an example of each, and how many axes of rotation each possesses.
7. Learn the major muscles and muscle groups and their locations.
8. In depth understanding of the knee and its structures.
9. Learn the parts and functions of the brain, spinal cord, receptors, and nerves.
10. Learn and understand the components and functions of the major endocrine organs.
11. Learn the characteristics of blood cells, their functions and the types of blood.
12. Learn and understand the components and functions of the heart and blood vessels and flow of blood through the heart.
13. Learn and understand the components and functions of the lymphatic and immune systems.
14. Learn and understand the components and functions of the organs within the respiratory system.
15. Learn and understand the components and functions of the organs within the digestive system.
16. Learn and understand the components and functions of the organs within the urinary system.
17. Learn and understand the components and functions of the organs within the male and female reproductive systems.



College of Professional Studies
BIO 1110 Anatomy & Physiology
Online Course Syllabus

Instructor Information

Please see Professor Profile at the Blackboard instructional site.

Course Schedule

Please see Course Schedule in the Course Syllabus area of the Blackboard instructional site.

Online Course Policies

All of the online courses taken by students are required to follow the policies posted online at <http://online.indianatech.edu/tech-policies/policies/>. Please review the posted policies carefully. If you are unable to abide by the policies listed, please contact the Warrior Information Network (WIN) at 888.832.4742 and request to withdraw from this course.

Textbook

Marieb, E., & Keller, S. (2018). *Essentials of human anatomy & physiology* (12th ed.).
New York, NY: Pearson.

Grading Events & Grading Criteria

All assignments must be submitted via Blackboard

Course Preparation Quiz (1 x 15 pts each)	15 pts
Discussion Board (8 x 15 pts each)	120 pts
Homework (2 x 15, 3 x 30 pts each)	120 pts
Quiz (8 x 30 pts each)	240 pts
Mid Term (1 x 70 pts)	70 pts
Final Exam (1 x 100 pts)	100 pts
Total Points	665 pts

Grading Scale

The following grading scale will be used to assign a grade at the end of the course:

Percentage Achieved	Grade	Percentage Achieved	Grade	Percentage Achieved	Grade
93% or above	A	80% or above	B-	70% or above	C-
90% or above	A-	77% or above	C+	60% or above	D
87% or above	B+	73% or above	C	Below 60%	F
83% or above	B				

Late Assignments

All assignments and required online activities are due according to the deadline listed in the course schedule. Granting deadline extension is the course instructor's autonomy.

Incompletes

If you are unable to complete the requirements for this course due to extenuating circumstances, an Incomplete grade (I) may be granted if you meet the general guidelines stated below.

General Guidelines for submitting a course incomplete request:

- More than 50% of the course session has elapsed.
- The student has encountered an unexpected situation that is beyond his or her control.
- The student is
 - in good academic standing -- up-to-date on all of the course assignments and has at least an overall passing grade,
 - able to complete all of the remaining coursework within a session (5 weeks for a undergraduate course and 6 weeks for a graduate course) that immediately follows the session the student is currently enrolled, and
 - able to provide support documentations to substantiate the need for extra time should a session is not enough to complete the course requirements.

If an Incomplete is granted, the instructor will set a deadline for all work to be completed. **The deadline cannot go past one (1) session.** All incomplete grades and deadlines are subject to approval by the designated university authority.

Course Related Communication

Online courses are conducted in an accelerated format. Timely communication is very important. When receiving emails from your classmates or instructor, please respond as soon as you can.

Students are REQUIRED to use their Indiana Tech email account for all course related communication. The most direct, and effective, way to email your course instructor and classmates, is by using the Send Email function within the Blackboard course site. When you use the Send Email function, you automatically receive a carbon copy of the email you sent. In the event when you need to substantiate your claim that you did email your classmates or instructor, you can show that carbon copy to the person(s) who requested it.

Please note that Blackboard only permits you to send email, it does not provide you with the check email function. All of the emails your classmates and instructor send to you will be delivered to your Indiana Tech email account. You are strongly encouraged to check your Indiana Tech email account regularly, preferably several times a week, to minimize the likelihood of miscommunication.

The University policy requires each online course instructor to respond to a student's email within 24 hours. Unless there is an extraneous situation that prevents the instructor from following this rule, you can expect to hear from the instructor within 24 hours. If you don't receive a reply within 24 hours, please do not hesitate to follow up with another email or forward the carbon copy of the email you sent to OnlineSupport@IndianaTech.edu with a note "Please help. It's been 24 hours and I have not heard from my instructor" and the University support staff will act on your behalf to contact your course instructor.