

Syllabus for BIO 264: Anatomy and Physiology I

Course Description

BIO 264: Human Anatomy and Physiology I is the first part of a two-semester course to prepare students for further study in the health and medical fields. The second course is BIO 265: Human Anatomy and Physiology II. This course is specifically designed for students of nursing and the allied health professions. It includes basic biochemistry- structure and function of the cell, tissues, skeleton, muscles and nervous systems of the body. Please note that this course is not acceptable for biology major credit.

Course Learning Outcomes

In this course, we will:

1. Define the scope of studies in anatomy and physiology.
2. Use descriptive anatomical and directional terminology.
3. Explain how homeostasis and homeostatic mechanisms apply to body systems.
4. Explain the chemical processes that lead to cellular structure and function.
5. Use the concepts of general cell biology to explain basic cell processes and functions.
6. Describe examples of tissue locations.
7. Identify and describe all basic body tissues and major functions for specific tissue types.
8. Identify all structures in the integumentary system, skeletal system, muscular system, and nervous system.
9. Describe the location, structure, and function of the different structures and landmarks of the integumentary system, skeletal system, muscular system, and nervous system.

Course Schedule

The course has been designed to follow a weekly schedule in which students complete one lesson per week. You are expected to complete all of the learning activities for each lesson in the order they are listed for each lesson. The instructor may shift the order of completion for some assignments and may even extend the deadlines on a few assignments if circumstances warrant it for the whole class. However, for most assignments and quizzes, you are expected to have them all completed by Saturday at 8:00 p.m. each week. In order to help you plan out your weekly schedule, every Thursday at 12:00 p.m. you will be given access to the learning activities for the next week's lesson. This is done so that you will be able to work on that lesson over the weekend if you choose to do so.

On average, it takes approximately 12 hours to complete all the learning activities for each lesson. This is the average amount of time you will need to study each week in order to get an average (C) grade in this class. If you want a higher grade, you may need to put in more time. Students working toward an A grade will often put in at least 16 hours a week. In order to keep up with the assignments and learn the most from this class, you should make sure you schedule at least 2 to 3 hours a day, Monday through Saturday, to study for this class.

With these classes, there is no "time off" for holidays like you might get in face-to-face classes.

Consequently, you should make sure to arrange your study schedule so that holiday activities do not keep you from completing learning activities.

Lesson Schedule

Week	Date	Lesson Title
Week 01	00 Mon, Year - 00 Mon, Year	Course Introduction
Week 02	00 Mon, Year - 00 Mon, Year	Lesson 01: Body Plan & Organization / Homeostasis and Histology Lab I
Week 03	00 Mon, Year - 00 Mon, Year	Lesson 02: Inorganic Chemistry and Histology Lab II (HISTOLOGY EXAM)

Week 04	00 Mon, Year - 00 Mon, Year	Lesson 03: Organic Chemistry and Skeletal Lab I
Week 05	00 Mon, Year - 00 Mon, Year	Lesson 04: Cell Biology I and Skeletal Lab II (LECTURE EXAM 1)
Week 06	00 Mon, Year - 00 Mon, Year	Lesson 05: Cell Biology II and Skeletal Lab III
Week 07	00 Mon, Year - 00 Mon, Year	Lesson 06: Integumentary and Skeletal Systems (SKELETAL LAB EXAM)
Week 08	00 Mon, Year - 00 Mon, Year	Lesson 07: Muscle System I and Muscle Lab I (LECTURE EXAM 2)
Week 09	00 Mon, Year - 00 Mon, Year	Lesson 08: Muscle System II and Muscle Lab II
Week 10	00 Mon, Year - 00 Mon, Year	Lesson 09: Muscle System III and Muscle Lab III
Week 11	00 Mon, Year - 00 Mon, Year	Lesson 10: Nervous System I (MUSCLE EXAM and LECTURE EXAM 3)
Week 12	00 Mon, Year - 00 Mon, Year	Lesson 11: Nervous System II and Nervous System Lab I
Week 13	00 Mon, Year - 00 Mon, Year	Lesson 12: Nervous System III and Nervous System Lab II
Week 14	00 Mon, Year - 00 Mon, Year	Course Conclusion (FINAL EXAMS: LECTURE AND LAB)

Required Materials

The following materials are required for this course.

(1) McGraw Hill ebook--"Anatomy and Physiology" (8th Edition) by Rod Seeley, Treat Stephens, and Philip Tate

The Biology instructors have worked out a special deal for you to get this ebook. You must purchase this text online directly from McGraw Hill. Directions for purchasing and downloading your BIO 264 ebook will be provided in a learning activity later on in the Course Introduction lesson.

(2) McGraw Hill computer program--"Anatomy and Physiology Revealed 2.0." We highly recommend that you purchase a copy of the Anatomy and Physiology Revealed Version 2.0 CD (CD_ROM). You can purchase it at Amazon.com or other online bookstores. We recommend purchasing the CD because it can be considerably faster than the online version of the program. However, if you would prefer to get the online version, you can purchase it instead. The CD and online version have the same content and work the same way. Directions for purchasing or downloading Anatomy and Physiology Revealed will be provided in a learning activity later on in the Course Introduction lesson.

(3) A computer with internet access. It is your responsibility for arrange to use a computer with internet access. (The higher speed you have for your internet access, the easier the course will be for you to complete.)

(4) A microphone and earphones. You are required to have a microphone for your computer and a set of earphones that will work with your computer and the Adobe Connect Pro class meeting tool. You will use

both of these to participate in a variety of learning activities in this course. Directions for setting up your microphone and earphones to work with the Adobe Connect Pro class meeting tool will be provided in a learning activity later on in the Course Introduction lesson.

Online Lab Attendance

You will be given the opportunity to attend an Online Lab each week on either Wednesday or Thursday from 6:00 to 9:00 p.m. (MST). The sessions will be generally organized according to the following schedule:

6:00-7:00 Tutors will answer questions submitted by study groups.

7:00-8:00 Tutors will conduct live anatomy practice sessions.

8:00-9:00 Tutors will answer any individual questions or conduct any review activities requested by the students in attendance.

You are welcome to attend any or all of these sessions. However, attendance is optional. We have set aside 60 minutes of study time each week for you to participate in the tutoring sessions. If you would like to spend more time than that, it is up to you. Recordings of these tutoring sessions will be posted after the tutoring session is over. If you are unable to attend a tutoring session, you may want to view these recordings instead.

The lab leader will direct all of the learning activities throughout each session. Attending the lab sessions can have a very positive effect on your grade! Students in the past have reported that their lab sessions have been a key learning activity that helped them develop the knowledge and skills they needed to pass the tests. Please try to work out your weekly schedule so that you will be able to attend at least one online lab session each week.

Grading

Grades will be based on a weighted percentage of the total number of points students may earn from major exams, assignments, quizzes, participation in online class meetings, and completion of any other learning activities assigned by the instructor.

Ninety percent of your grade will be based on your performance on the eight major exams. Six of these exams will be taken in proctored settings. If you cannot take the exam at the BYU-Idaho Testing Center, you will be required to make arrangements to take the exams at a local testing center that will allow you to take the exam in a proctored setting. It is recommended that you take the proctored tests at university or community college testing centers or at professional testing centers. You will receive instructions on how to take each proctored exam from your instructor. These instructions will include directions for any local university or professional proctors to administer the test. Please note that you may be charged a fee for this service. It is your responsibility to pay the costs of taking these proctored tests.

Ten percent of your grade will be based on all of the other activities or assignments listed in the I-Learn course.

Grades will be determined as follows:

A = 94-100%

A- = 90-93%

B+ = 87-89%

B = 84%-86%

B- = 80-83%

C+ = 77-79%

C = 74%-76%

C- = 70-73%

D+=67-69%

D = 64%-66%

D-=60-63%

F = 0-59%

Students may check their total number of points for all assignments and quizzes at any time using the My Grades link on the course menu.

Course Policies

You should read the following course policies and make sure that you understand what these policies mean to you regarding your interactions with the instructor and other students in this course. If you have questions about any of these policies, you should contact your instructor immediately.

Student Honor

Student Honor is following the path of discipleship and learning to be more like Christ--learning to think, to feel, and to act more as He does.

Living a life of honor:

- a. Begins as we learn and live the baseline standards of the Honor Code, understand their purposes, and are true to the promises we have made.
- b. Continues as we heed the promptings of the Spirit to raise our personal bar of righteousness and foster a spirit of integrity, sacrifice, consecration, love, service and willing obedience as students and throughout our lives.
- c. Prepares our hearts for devoted discipleship in the family, church, work, and community.

If you have any questions about the Student Honor Code, please use the links below to get more information on what is expected of you as a BYU-Idaho student, and what you can expect from your classmates.

[Honor Code](#) | [Academic Honesty](#) | [Dress and Grooming Standards](#)

Students with Disabilities

BYU-Idaho is committed to providing a working and learning atmosphere which reasonably accommodates qualified persons with disabilities. If you have any disability which may impair your ability to complete this course successfully, please contact the Services for Students with Disabilities Office at 208.496.1158. Reasonable academic accommodations are reviewed for all students who have qualified documented disabilities. Services are coordinated with the student and instructor by this office. If you need assistance or feel you have been unlawfully discriminated on the basis of disability, you may seek resolution through established policy and procedures. Contact the Personnel Office at 208.496.1130.

Sexual Harrassment

Title IX of the Education Amendments of 1972 prohibits sex discrimination against any participant in an educational program which receives federal funds, including federal loans and grants. Title IX also covers student-to-student sexual harassment. If you encounter unlawful sexual harassment or gender-based discrimination, please contact the Personnel Office at 208.496.1130.