

### Course Syllabus

In this course, students will examine the functions of the body's biological systems-- including skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems.

- *This course is recommended for grades 10-12.*
- *Anatomy is a recommended pre-requisite course.*

### Units & Tasks

This course is divided into the following Units and Sections.

- **Course Introduction**
- **Unit 1: Cells, Sensory Organs, & Blood**
  - 1.1 Cellular Function
  - 1.2 Sensory Organs
  - 1.3 Functions of Blood
- **Unit 2: Circulatory & Respiratory Systems**
  - 2.1 Lymphatic System & Immunity
  - 2.2 Circulatory System
  - 2.3 Respiratory System
- **Unit 3: Nervous & Digestive Systems**
  - 3.1 Nervous System I
  - 3.2 Nervous System II
  - 3.3 Digestive System
- **Unit 4: Musculoskeletal Systems**
  - 4.1 Skeletal System & Joints
  - 4.2 Muscular System
  - 4.3 Energy Systems
- **Unit 5: Urinary, Endocrine, & Reproductive Systems**
  - 5.1 Urinary System
  - 5.2 Endocrine System
  - 5.3 Reproductive System

Within each section you will find the following tasks to view or complete:

1. **Section Checklist**—an outline of tasks for each section
2. **Lesson**—multimedia lessons about the section topic
3. **Field Trip**—links to online sites and articles with additional information
4. **Discussion\***—asynchronous class discussion about an assigned topic
5. **Assignment\***—research on an additional Anatomy topic
6. **Anatomy Check**—flash-card activity to aid with anatomy identification
7. **Vocab Check**—flash-card activity to aid with vocabulary comprehension
8. **Quiz\***—assessment of lesson comprehension

## Physiology

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The items noted with an asterisk above are those that must be submitted for a grade. The “Course Introduction” section has more detailed information on the navigation and tasks for this course.

In addition to the tasks noted above, a unit exam will be found at the end of every unit, as well as a comprehensive final exam at the end of the course.

### Pacing & Grading

Each section of this course is designed to be completed in about one week’s time. However, if you have less time to complete the course, you may need to move through the sections more quickly. Your teacher may also have a set schedule he/she would prefer you to use. Check with your instructor if you have any questions.

Each quiz or assignment is worth a specific amount of points. A final percentage for the course will be determined by points earned divided by points possible. See the detailed Course Schedule and Pacing Guide for more details on points possible and pacing.

### Materials

There are no required materials for this course.

### Technical Requirements

A PDF reader and a word-processing program are required for this course. It is also recommended that you have either a Flash player or MP4 player. Below you will find links to download free or trial versions of these programs.

- Flash Player, <http://get.adobe.com/flashplayer/>
- Adobe Reader, <http://get.adobe.com/reader/>
- QuickTime MP4 Player, <http://www.apple.com/quicktime/download/>
- Word Processing Programs:
  - Microsoft Word, <http://office.microsoft.com/en-us/try/>
  - Open Office, <http://www.openoffice.org/download/>