Course Description

Introduces basic concepts of human anatomy and physiology. The topics covered include, medical language, organization of the body, review of the cells, tissues, and membranes of the body. The body systems covered include skeletal, muscular, integumentary, cardiovascular, lymphatic, and immune, respiratory nervous, sensory, endocrine, gastrointestinal, urinary, and reproductive.

Course Textbook


Course Learning Outcomes

Upon completion of this course, students should be able to:

1. Demonstrate an understanding of the core concepts of anatomy of physiology.
2. Compare and contrast the structure and function of cells, tissues, organs, and organ systems of the body.
3. Explain the major chemical elements located within living systems.
4. Analyze the relationship between homeostasis and survival.
5. Identify and use proper medical terminology for describing anatomical position of the body.
6. Identify the major body cavities.
7. Categorize the cells, tissues, and organs located within the body cavities and membranes.
8. Examine the structure and function of the organs located within the skeletal, muscular, integumentary, cardiovascular, lymphatic and immune, nervous, sensory, endocrine, gastrointestinal, urinary, and reproductive, and respiratory systems.
9. Identify the common signs, symptoms, and illnesses associated with the structure and functions of the skeletal, muscular, integumentary, cardiovascular, lymphatic and immune, nervous, sensory, endocrine, gastrointestinal, urinary, and reproductive and respiratory systems.
10. Recall terms that describe diagnostic, surgical, and other treatment techniques associated with the skeletal, muscular, integumentary, cardiovascular, lymphatic and immune, nervous, sensory, endocrine, gastrointestinal, urinary, and reproductive and respiratory systems.

Credits

Upon completion of this course, the students will earn three (3) hours of college credit.

Course Structure

1. **Unit Learning Outcomes:** Each unit contains Learning Outcomes that specify the measurable skills and knowledge students should gain upon completion of the unit.
2. **Unit Lessons:** Each unit contains a Unit Lesson, which discusses unit material.
3. **Reading Assignments:** Units I-VII contain Reading Assignments from one or more chapters from the textbook. Suggested Readings are listed in the Unit I and VIII Study Guides to aid students in their course of study. The readings themselves may or may not be provided in the course, but students are encouraged to read the resources listed if the opportunity arises as they have valuable information that expands upon the lesson material. Students will not be tested on their knowledge of the Suggested Readings.
4. **Learning Activities (Non-Graded):** These non-graded Learning Activities are provided in each unit to aid students in their course of study.
5. **Unit Assessments**: This course contains seven Unit Assessments, one to be completed at the end of Units I-VII. Assessments are composed of multiple-choice and written response questions.

6. **Unit Assignments**: Students are required to submit for grading Unit Assignments in Units II-VIII. Specific information and instructions regarding these assignments are provided below. Grading rubrics are included with these assignments. Specific information about accessing these rubrics is provided below.

7. **Final Exam**: Students are to complete a Final Exam in Unit VIII. All Final Exams are proctored—see below for additional information. You are permitted four (4) hours to complete this exam in the presence of your approved proctor. This is an open-book exam. Only course textbooks and a calculator, if necessary, are allowed when taking proctored exams. The Final Exam is composed of multiple-choice and short essay questions.

8. **Ask the Professor**: This communication forum provides you with an opportunity to ask your professor general or course content related questions.

9. **Student Break Room**: This communication forum allows for casual conversation with your classmates.

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**CSU Online Library**

The CSU Online Library is available to support your courses and programs. The online library includes databases, journals, e-books, and research guides. These resources are always accessible and can be reached through the library webpage. To access the library, log into the myCSU Student Portal, and click on “CSU Online Library.” You can also access the CSU Online Library from the “My Library” button on the course menu for each course in Blackboard.

The CSU Online Library offers several reference services. E-mail (library@columbiasouthern.edu) and telephone (1.877.268.8046) assistance is available Monday – Thursday from 8 am to 5 pm and Friday from 8 am to 3 pm. The library’s chat reference service, *Ask a Librarian*, is available 24/7; look for the chat box on the online library page.

Librarians can help you develop your research plan or assist you in finding relevant, appropriate, and timely information. Reference requests can include customized keyword search strategies, links to articles, database help, and other services.

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**Unit Assignments**

**Unit II Case Study**

Analyze the case study found on p. 198 (“Maria’s Story”) in your textbook by addressing the assigned questions below.

While analyzing the case, be sure to identify the major problems and issues.

- Draft a response or strategy for addressing the major problems and issues.
- Make recommendations to improve the patient’s health.
- Discuss any negative consequences that may occur if the patient’s health issue is not addressed.

Your response should be at least two pages in length. Include at least one reference to support your work in APA style. You are required to use at least your textbook as source material for your response. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

**Unit III Case Study**

*Jeremy Dale is a 30-year-old recreational sports enthusiast and likes to play soccer and baseball on his days off from work. He mentions to you, his co-worker, that he thinks he might have sprained his ankle over the weekend while playing soccer with some friends. He says it is swollen and very painful today and asks whether you think he should see a doctor or just wait for it to get better.*

What might be some good recommendations for you to give Jeremy about his sports injury?

What could you tell him in general about minor sports injuries? How could he determine that it is a sprain or a strain? Should he apply ice and elevate or compress the injured ankle? Is it too late for that treatment to be helpful?
Unit IV Case Study

Analyze the case study found on p. 343 in the textbook by addressing the assigned questions below.

While analyzing the case, be sure to identify the major problems and issues.

- Draft a response or strategy for addressing the major problems and issues.
- Make recommendations to improve the patient’s health.
- Discuss any negative consequences that may occur if the patient’s health issue is not addressed.

Your response should be at least one page in length. Include at least one reference to support your work in APA style.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit V Case Study

Analyze the case study found on p. 301 in the textbook by addressing the assigned questions below.

While analyzing the case, be sure to identify the major problems and issues.

- Draft a response or strategy for addressing the major problems and issues.
- Make recommendations to improve the patient’s health.
- Discuss any negative consequences that may occur if the patient’s health issue is not addressed.

Your response should be at least one page in length. Include at least one reference to support your work in APA style.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit VI Case Study

Analyze the case study found on p. 276 in your textbook by addressing the assigned questions below.

While analyzing the case, be sure to identify the major problems and issues.

- Draft a response or strategy for addressing the major problems and issues.
- Make recommendations to improve the patient’s health.
- Discuss any negative consequences that may occur if the patient’s health issue is not addressed.

Your response should be at least one page in length. Include at least one reference to support your work in APA style.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit VII Case Study

Analyze the case study found on p. 479 of your textbook by addressing the assigned questions below.

While analyzing the case, be sure to identify the major problems and issues.

Your response should be at least one page in length. Include at least one reference to support your work in APA style.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.
• Draft a response or strategy for addressing the major problems and issues.
• Make recommendations to improve the patient’s health.
• Discuss any negative consequences that may occur if the patient’s health issue is not addressed.

Your response should be at least one page in length. Include at least one reference to support your work in APA style.
You are required to use at least your textbook as source material for your response. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit VIII Homework Assignment

Using the Internet, conduct a search of autoimmune disorders. How many disorders can you find? What tissues can be attacked by your immune system? Select one autoimmune disease to summarize. What are the common signs and symptoms exhibited in a patient with this disease?

Your response should be at least one page in length. Include at least one reference to support your work in APA format.
You are required to use at least your textbook as source material for your response. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

APA Guidelines

The application of the APA writing style shall be practical, functional, and appropriate to each academic level, with the primary purpose being the documentation (citation) of sources. CSU requires that students use APA style for certain papers and projects. Students should always carefully read and follow assignment directions and review the associated grading rubric when available. Students can find CSU's Citation Guide by clicking here. This document includes examples and sample papers and provides information on how to contact the CSU Success Center.

Grading Rubrics

This course utilizes analytic grading rubrics as tools for your professor in assigning grades for all learning activities. Each rubric serves as a guide that communicates the expectations of the learning activity and describes the criteria for each level of achievement. In addition, a rubric is a reference tool that lists evaluation criteria and can help you organize your efforts to meet the requirements of that learning activity. It is imperative for you to familiarize yourself with these rubrics because these are the primary tools your professor uses for assessing learning activities.

Rubric categories include: (1) Assessment (Written Response) and (2) Assignment. However, it is possible that not all of the listed rubric types will be used in a single course (e.g., some courses may not have Assessments).

The Assessment (Written Response) rubric can be found embedded in a link within the directions for each Unit Assessment. However, these rubrics will only be used when written-response questions appear within the Assessment.

Each Assignment type (e.g., article critique, case study, research paper) will have its own rubric. The Assignment rubrics are built into Blackboard, allowing students to review them prior to beginning the Assignment and again once the Assignment has been scored. This rubric can be accessed via the Assignment link located within the unit where it is to be submitted. Students may also access the rubric through the course menu by selecting “Tools” and then “My Grades.”

Again, it is vitally important for you to become familiar with these rubrics because their application to your Assessments and Assignments is the method by which your instructor assigns all grades.

Final Examination Guidelines

Final Exams are to be administered to students by an approved Proctor. CSU approves two flexible proctoring options: a standard Proctor, who is chosen by the student and approved by the university, or Remote Proctor Now (RP Now), an on-demand, third-party testing service that proctors examinations for a small fee.
Students choosing RP Now must have an operational webcam/video with audio, a high-speed Internet connection, and the appropriate system rights required to download and install software.

To review the complete Examination Proctor Policy, including a list of acceptable Proctors, Proctor responsibilities, Proctor approval procedures, and the Proctor Agreement Form, go to the myCSU Student Portal from the link below.

http://mycsu.columbiasouthern.edu

You are permitted four (4) hours to complete this exam in the presence of your approved Proctor. This is an open book exam. Only course textbooks, writing utensils, and a calculator, if necessary, are allowed when taking proctored exams. Other materials are not permitted unless specified in the examination instructions and only the sources identified in the instructions may be used as source material.

Communication Forums

These are non-graded discussion forums that allow you to communicate with your professor and other students. Participation in these discussion forums is encouraged, but not required. You can access these forums with the buttons in the Course Menu. Instructions for subscribing/unsubscribing to these forums are provided below.

Once you have completed Unit VIII, you MUST unsubscribe from the forum; otherwise, you will continue to receive e-mail updates from the forum. You will not be able to unsubscribe after your course end date.

Click here for instructions on how to subscribe/unsubscribe and post to the Communication Forums.

Ask the Professor

This communication forum provides you with an opportunity to ask your professor general or course content questions. Questions may focus on Blackboard locations of online course components, textbook or course content elaboration, additional guidance on assessment requirements, or general advice from other students.

Questions that are specific in nature, such as inquiries regarding assessment/assignment grades or personal accommodation requests, are NOT to be posted on this forum. If you have questions, comments, or concerns of a non-public nature, please feel free to email your professor. Responses to your post will be addressed or emailed by the professor within 48 hours.

Before posting, please ensure that you have read all relevant course documentation, including the syllabus, assessment/assignment instructions, faculty feedback, and other important information.

Student Break Room

This communication forum allows for casual conversation with your classmates. Communication on this forum should always maintain a standard of appropriateness and respect for your fellow classmates. This forum should NOT be used to share assessment answers.

Grading

Assessments (7 @ 8%) = 56%
Case Studies (6 @ 5%) = 30%
Homework Assignment = 6%
Final Exam
Total = 100%

Course Schedule/Checklist (PLEASE PRINT)

The following pages contain a printable Course Schedule to assist you through this course. By following this schedule, you will be assured that you will complete the course within the time allotted.
By following this schedule, you will be assured that you will complete the course within the time allotted. Please keep this schedule for reference as you progress through your course.

<table>
<thead>
<tr>
<th>Unit I</th>
<th>Introduction to the Human Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review:</td>
<td>Unit Study Guide</td>
</tr>
<tr>
<td></td>
<td><strong>Learning Activities (Non-Graded):</strong>  See Study Guide</td>
</tr>
<tr>
<td>Read:</td>
<td><strong>Chapter 1:</strong> Anatomy, Physiology, and Disease: Learning the Language</td>
</tr>
<tr>
<td></td>
<td><strong>Chapter 2:</strong> The Human Body: Reading the Map</td>
</tr>
<tr>
<td></td>
<td><strong>Chapter 3:</strong> Biochemistry: The Basic Ingredients of Life</td>
</tr>
<tr>
<td></td>
<td><strong>Suggested Reading:</strong>  See Study Guide</td>
</tr>
<tr>
<td>Submit:</td>
<td><strong>Assessment</strong></td>
</tr>
<tr>
<td>Notes/Goals:</td>
<td></td>
</tr>
</tbody>
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<thead>
<tr>
<th>Unit II</th>
<th>Integumentary System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review:</td>
<td>Unit Study Guide</td>
</tr>
<tr>
<td></td>
<td><strong>Learning Activities (Non-Graded):</strong>  See Study Guide</td>
</tr>
<tr>
<td>Read:</td>
<td><strong>Chapter 8:</strong> The Integumentary System: The Protective Covering</td>
</tr>
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<td>Submit:</td>
<td><strong>Assessment</strong></td>
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<td><strong>Case Study</strong></td>
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<tr>
<td></td>
<td><strong>Proctor Approval Form</strong></td>
</tr>
<tr>
<td>Notes/Goals:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit III</th>
<th>Muscular &amp; Skeletal Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review:</td>
<td>Unit Study Guide</td>
</tr>
<tr>
<td></td>
<td><strong>Learning Activities (Non-Graded):</strong>  See Study Guide</td>
</tr>
<tr>
<td>Read:</td>
<td><strong>Chapter 6:</strong> The Skeletal System: The Framework</td>
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<td></td>
<td><strong>Chapter 7:</strong> The Muscular System: Movement for the Journey</td>
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<td>Submit:</td>
<td><strong>Assessment</strong></td>
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<td><strong>Case Study</strong></td>
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<td>Notes/Goals:</td>
<td></td>
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### Unit IV: Cardiovascular and Respiratory Systems

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 12: The Cardiovascular System: Transport and Supply
- Chapter 13: The Respiratory System: It's a Gas

**Submit:**
- Assessment
- Case Study

### Unit V: Nervous and Sensory Systems

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 9: The Nervous System: The Body's Control Center
- Chapter 11: The Senses: The Sights and Sounds

**Submit:**
- Assessment
- Case Study

### Unit VI: Endocrine and Gastrointestinal Systems

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 10: The Endocrine System: The Body's Other Control Center
- Chapter 15: The Gastrointestinal System: Fuel for the Trip

**Submit:**
- Assessment
- Case Study

### Unit VII: Urinary and Reproductive Systems

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 16: The Urinary System: Filtration and Fluid Balance
- Chapter 17: The Reproductive System: Replacement and Repair

**Submit:**
- Assessment
- Case Study
- Request to take Final Exam

**Notes/Goals:**
<table>
<thead>
<tr>
<th>Unit VIII</th>
<th>Lymphatic and Immune Systems</th>
</tr>
</thead>
</table>
| **Review:** |  □ Unit Study Guide  
          |  □ Learning Activities (Non-Graded): See Study Guide |
| **Read:** |  □ Suggested Reading: See Study Guide |
| **Submit:** |  □ Homework Assignment  
          |  □ Final Exam |

**Notes/Goals:**