Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.
COURSE SYLLABUS

HLTH 221
APPLIED HUMAN ANATOMY AND PHYSIOLOGY I

COURSE DESCRIPTION

An examination of the structure, function, and pathology of the various body systems and their roles, relevance, and applications in health and illness. The course will employ virtual interactive cadaver dissection technology. The following topics are covered: introduction to the human body; the chemistry of life; the cells, tissues, and organization of the body; the blood; the cardiovascular system; the lymphatic system; the nervous system; the special senses; the endocrine system; and the respiratory system. (Formerly HLTH 201)

RATIONALE

The purpose of this course is to assist students in gaining knowledge of God’s most amazing creation—the human body. Being familiar with the major structures and the physiological operation of these structures will help provide an educational foundation for a career in a health-related field. In addition, this course will improve students’ ability to communicate with other individuals working in health-related fields.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASES

Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING

A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Microsoft Word
   (Microsoft Office is available at a special discount to Liberty University students.)

IV. MEASURABLE LEARNING OUTCOMES

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

A. List the component structures (anatomy) of each of the following: molecules, cells, and tissues; blood and the cardiovascular system; lymphatic and nervous systems; and endocrine and respiratory systems.
B. Describe the function (physiology) of each of the following: molecules, cells, and tissues; blood and the cardiovascular system; lymphatic and nervous systems; and endocrine and respiratory systems.

C. Enumerate several disease conditions (pathology) associated with each of the following: molecules, cells, and tissues; blood and the cardiovascular system; lymphatic and nervous systems; and endocrine and respiratory systems.

D. Analyze the Christian worldview vs. secular worldviews on the topic of creation vs. evolution of human life.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings, presentations, and DVD segments

B. Course Requirements Checklist

After reading the Course Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (2)

Discussion boards are collaborative learning experiences. Therefore, the student will create a thread in response to the provided prompt for each forum. Each thread must be at least 350 words, include at least 1 peer-reviewed, scientific reference in current APA format, and demonstrate course-related knowledge. In addition to the thread, the student will reply to at least 1 classmate’s thread. The reply must be at least 150 words.

D. Workbook Assignments (4)

The student will complete workbook assignments using the DVD and workbook. The student will submit his/her responses in a Word document.

E. Disease or Disorder Presentation

This project will be completed in 2 steps:

1. Disease or Disorder Presentation Topic and References

The student will submit a Word document with the presentation topic and a list of at least 3 peer-reviewed references for his/her presentation. The student must include a paragraph explaining why the topic was chosen and including at least 2 areas of intended exploration. The reference list must be in current APA format.

2. Disease or Disorder Presentation

The student will create a 15-slide PowerPoint presentation that focuses on 1 disorder or disease process from 1 of the body systems covered in this course. At least 3 peer-reviewed references must be used and cited in current APA format on the last slide.

F. Exams (4)
Each exam will cover the Reading & Study material for the assigned modules/weeks. Each exam will be open-book/open-notes, contain 35–47 multiple-choice, true/false, matching, and short essay questions, and have a time limit of 1 hour and 5 minutes.

VI. **COURSE GRADING AND POLICIES**

A. **Points**

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (2 at 90 pts ea)</td>
<td>180</td>
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<tr>
<td>Workbook Assignments (1 at 10 pts; 3 at 70 pts ea)</td>
<td>220</td>
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<tr>
<td>Disease or Disorder Presentation</td>
<td></td>
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<tr>
<td>Disease or Disorder Presentation Topic and References</td>
<td>25</td>
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<tr>
<td>Disease or Disorder Presentation</td>
<td>175</td>
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<td>Exams (4 at 100 pts ea)</td>
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<td><strong>Total</strong></td>
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B. **Scale**

A = 900–1010   B = 800–899   C = 700–799   D = 600–699   F = 0–599

C. **Late Assignment Policy**

If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the class will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g. death in the family, personal health issues) will be reviewed by the instructor on a case-by-case basis.

D. **Disability Assistance**

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.
## COURSE SCHEDULE

**HLTH 221**


<table>
<thead>
<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
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<tbody>
<tr>
<td>1</td>
<td>Waugh &amp; Grant: ch. 1 2 presentations 1 DVD</td>
<td>Course Requirements Checklist Class Introductions DB Forum 1 Workbook Assignment 1</td>
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<tr>
<td>2</td>
<td>Waugh &amp; Grant: chs. 2–3 2 presentations</td>
<td>Exam 1</td>
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<tr>
<td>3</td>
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<td>Workbook Assignment 2 Disease or Disorder Presentation Topic and References</td>
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<tr>
<td>4</td>
<td>Waugh &amp; Grant: chs. 5–6 1 presentation 1 DVD</td>
<td>Exam 2</td>
<td>100</td>
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<td>Workbook Assignment 3</td>
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<td>6</td>
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<td>7</td>
<td>Waugh &amp; Grant: ch. 8 1 presentation</td>
<td>Exam 3</td>
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<td>8</td>
<td>Waugh &amp; Grant: chs. 9–10 3 presentations 1 DVD</td>
<td>DB Forum 2 Exam 4</td>
<td>90 100</td>
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**TOTAL** 1010

DB = Discussion Board

**NOTE:** Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.