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### BIOH 365.80: Human Anatomy and Physiology for Health Professions I - Honors

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## **BIOH 365-80 Honors Section Course Description**

The honors section of Human Anatomy and Physiology for Health Professions I, BIOH 365-80, is designed to provide a strong foundation for students seriously considering entering the health professions (dentistry, medicine, nursing, nutrition, optometry, osteopathy, physical therapy, and podiatry) and paramedical fields. Honors students attend the lecture portion of the course with non-honors students but are scheduled to meet for three, rather than two, hours of laboratory each week. This laboratory section provides intensive study beyond the non-honors sections human anatomy and physiology preparatory curriculum, and has a limited enrollment. The Honors laboratory will cover much of the same information presented in the non-honors sections except there will be additional emphasis placed upon (1) the relationship between histology and function of the cells, tissues, and organs of the human body, (2) clinical applications of the material presented, and, (3) pathology. Besides this additional academic information more emphasis is placed upon (1) independent learning, (2) the development and assessment of professional traits, and, (3) the development and assessment of critical thinking skills that will assist the student in becoming more proficient in scientific thinking in a manner that enhances their ability to better correlate structure with function. In addition, the laboratory final examination is more integrative in nature for the Honors section.

### **Evaluation Methods**

Final grades for the overall course (including the single credit grade for the lab section) will be based upon 600 total points, 300 points from lecture examinations, and 300 points from the laboratory. Your score (out of 600) will determine both your grade in BIOH 365-00 (4 credits) and your grade in BIOH 365-80 (1 credit). The lab is not graded separately from lecture.

Emphasis will be placed on small group learning experiences and will include the opportunity to interact with community members involved in various health care fields. This section of the course assumes an interest in the subject matter that goes beyond the fulfillment of an academic requirement, and students enrolled in this section will be held to the following expectations:

1. Assigned readings will be completed each week before lab begins.
2. Review of the material provided in the form of the "Terms to Know" documents is strongly recommended. A fully prepared student will have read the assigned Tortora text pages prior to lab attendance and will use the TTK's provided in lab as an additional study resource.
3. Students will post to an online discussion forum on a weekly topic to be determined by the lab instructor. Journal articles, popular press articles, podcasts, and other extracurricular material may be assigned as part of the weekly discussion assignment. All discussion forum materials will be provided via the honor's lab Moodle page. Weekly posts to the discussion forum will constitute the calculus of participation in the laboratory section.
4. In the event of a guest speaker or site visit, the student will be engaged and attentive. Students are expected and encouraged to ask questions of our guest speakers. Class participation and discussion is required and expected at all times.

Your course grade will be determined by your performance in the lecture as well as the lab, according to the following evaluation methods:

Lecture score	300pts
Laboratory Practical 1	80 pts
Laboratory Practical 1	80 pts
<b>Quizzes, Presentations, and Participation</b> <ul style="list-style-type: none"> <li>Each week, you will have an in class quiz worth 12 points. You will have a total of eleven quizzes this semester, a few of which may be on Moodle. Your two lowest <u>quiz</u> grades will be “dropped” at the end of the semester.</li> <li>Weekly mandatory posts to the participation discussion forum on the Honor’s lab Moodle page.</li> <li>Class presentation and paper</li> <li>Creative project</li> </ul>	<b>140 pts</b> <ul style="list-style-type: none"> <li>9 total quizzes (12 points each for a total of 108 points)</li> <li>(1 point each for 12 points over the course of the semester)</li> <li>(15 points)</li> <li>(5 points)</li> </ul>

The honor’s lab section of the course will emphasize the integration of form and function, and ask students to synthesize material over the course of the semester. There will be 11 twelve point quizzes, which will include ten questions from the previous week’s material as well as two questions from the current week’s preparatory material. The two lowest quiz scores will be dropped at the end of the semester. Each student will prepare a short summary paper and a 10 minute presentation on a topic of their choice (to be approved by the instructor). There will be 12 points awarded for participation, which will be awarded based on participation in an online discussion forum on the course Moodle webpage. Each week’s topic will vary according to the discretion of the lab instructor. There will be two lab practicals, each worth 80 points. The second practical will be cumulative.

I have read and fully understand how I will be evaluated as an enrolled student in the BIOH 360 Honors Laboratory Section. I understand that this syllabus and grade distribution supersedes any information regarding lab grade distribution or expectations contained in the general course syllabus.

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Signature

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Date

**Human Anatomy and Physiology Laboratory Syllabus**  
**Honor's Lab**  
**BIOH 365-80 Fall 2014**

<b>Dates</b>	<b>Topic</b>	
<b>8/28</b>	Lab Orientation – Protocols and Procedures Introduction to Anatomical Terms, Gross and Surface Anatomy Cellular anatomy and physiology	
<b>9/4</b>	Histology – Tissue Form and Function The Integumentary System and Membranes	<b>Quiz 1</b>
<b>9/11</b>	Bone – Histology Classification and types of osseous tissue The Axial Skeleton and its landmarks	<b>Quiz 2</b>
<b>9/18</b>	Appendicular Skeleton and its landmarks Fetal Skeletons	<b>Quiz 3</b>
<b>9/25</b>	Articulations and Movement ***1 <sup>st</sup> cadaver lab – BRING GLOVES!!!***	<b>Quiz 4</b>
<b>10/2</b>	Muscle – Histology and Microanatomy Identification (ID) and Origin, Insertion, and Action (OIA) of the muscles of the gluteal compartment and the lower extremity	<b>Quiz 5</b>
<b>10/9</b>	<b>****Lab Practical #1****</b>	
<b>10/16</b>	Muscle - Microanatomy ID and OIA of the muscles of the Upper Limb, Anterior Thorax, and superficial posterior thorax.	
<b>10/23</b>	Muscles ID and OIA of the muscles of the head, neck, face and deep back	<b>Quiz 6</b>
<b>10/30</b>	Nervous Tissue Histology Brain Anatomy and Physiology Cranial Nerves – Identification and function	<b>Quiz 7</b>
<b>11/6</b>	Spinal Cord, Spinal Nerves and the ANS	<b>Quiz 8</b>
<b>11/13</b>	Student Presentations	
<b>11/20</b>	Perception- General Sensation and the Special Senses	<b>Quiz 9</b>
<b>11/27</b>	Thanksgiving Holiday	
<b>12/4</b>	<b>****Lab Practical #2****</b>	