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BIOH 370.80: Human Anatomy and Physiology for Health Professions II - Honors

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BIOH 370-80 Honors Section Course Description

The honors section of Human Anatomy and Physiology for Health Professions II, BIOH 370-80, 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 the lecture portion of the course, and 300 points from this laboratory section. Your score (out of 600) will determine both your grade in BIOH 370-00 (4 credits) and your grade in BIOH 370-80 (1 credit). The lab is not graded separately from lecture; you should consider this lab as an integral component of a 5 credit course. Be aware that should you need to repeat this course in order to “replace” a grade, you must retake the honor’s section of lab.

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:

- **Assigned readings will be completed each week before lab begins.**
- A fully prepared student will have both read the textual material and reviewed the introductory lecture video prior to lab attendance. Terms to know that are provided to honor’s lab students in lab are NOT to be provided in any format to students in other lab sections.
- 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 or the Honor’s Lab Google Community. Weekly posts to the discussion forum will constitute the calculus of participation in the laboratory section. On selected occasions, the weekly participation grade may constitute an in-lab activity at the discretion of the instructor.
- 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.
- Open lab hours are provided for honor’s students, in addition to a weekly, instructor led “study jam” which is similar to a discussion section. While not mandatory, attendance is encouraged. Honor’s students are asked not to attend the open lab times provided by other lab instructors, unless an extenuating circumstance requires you to do so. In that event, the honor’s lab instructor, the lecture instructor, and the other lab instructors must all be made aware of and approve these alternate arrangements.

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: 300 points
Lab Practical Exam 1: 80 points
Lab Practical Exam 2: 80 points
Weekly Quizzes: 108 points
Participation Points: 12 points
Assignments: 20 points

Total Points for Course: 600 points

Lab Practical Exams:

There will be two lab practical exams, each worth 80 points. The second practical will be cumulative.

Quizzes:

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 Moodle based. Your two lowest quiz grades will be “dropped” at the end of the semester. The format of the in-class quizzes will be: ten questions from the previous week’s material as well as two questions from the current week’s preparatory material.

Participation Points:

Weekly mandatory posts to the participation discussion forum on the Honor’s lab Moodle page, in-class assignments, or sometimes attendance at a special on-campus or off-campus seminar are all examples of past participation activities.

Assignments:

This semester, each student will prepare a short, 5-7 minute video of a physiological process of their choice. Students must choose their topic by the second week of the semester. A separate handout will describe this in more detail. This assignment is worth 15 points.

A cumulative, clinically based Moodle assessment will open one week prior to the last lab practical and be worth 5 points.

I have read and fully understand how I will be evaluated as an enrolled student in the BIOH 370 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.

Signature and Date: