1-2015

BIOH 108.H1: Basic Anatomy - Hamilton

Kins W. Loree

University of Montana - Missoula, kins.loree@msou.montana.edu

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COURSE DESCRIPTION: This course provides an introduction to human anatomy and basic physiology. Included are fundamental overviews of: biology, chemistry, physics, and genetic processes, as they pertain to the human body. This course serves as a primer for students who are seeking to develop a foundational understanding of these objectives, prior to enrolling in Anatomy and Physiology I & II (i.e. Bio 201 and Bio 211). Students pursuing degrees or certificates, in the certain health-related professions, also benefit from the knowledge and skills provided by this introductory course.

COURSE OBJECTIVES: Upon completion of the course the successful student will, by written tests, be able to:

1. Spell and define associated terminology.
2. Understand fundamental sciences and how they integrate into the study of the human body.
3. Identify anatomical structures and landmarks on the human body.
4. Understand the different bodily systems and their various functions.
5. Explain the form/function relationship and how it relates to the human body.

CLASS MEETING TIMES: 4:10 PM - 5:30 PM Mondays & Wednesdays  
LOCATION: 1 or 2

GRADING:

**Earning Credit:** The grade for the course is determined by written assessments: a combination of chapter specific workbook assignments, and written examinations. There are a total of 15 workbook assignments, 2 each mid-term exams and a final exam. Students must complete the assigned 15 each chapters of Workbook assignments (due upon request without notice), worth a total of **50 points**. The 2 each Mid-term Exams are worth 50 points each, for a total of **100 points**; and the Final Exam is worth **100 points**.

This offers a possible **total of 250 points**. Final grade/scoring for the course is solely based upon the student’s percentage of these possible 250 points. The student must have 149 points (60%) minimum to pass the course.

**Extra Credit:** For students satisfying this criteria to pass the course, extra credit is available by submitting the extra 5 assigned chapters of Workbook for an additional 5 points for every chapter (another possible **25 points**). Extra credit may not pass a failing student.

<table>
<thead>
<tr>
<th>Final Grade/Scoring</th>
<th>Assignments = 50 points</th>
<th>2 Mid-Term Exams = 100 Points</th>
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</thead>
<tbody>
<tr>
<td>A = 90-100%</td>
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<tr>
<td>B = 80-89.4%</td>
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<tr>
<td>C = 70-79.4%</td>
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<td>D = 60-69.4%</td>
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<tr>
<td>F = 0-59.4%</td>
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<td>Total Possible = 250 points</td>
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**Point Breakdown**

**ATTENDANCE and MAKE-UPS:**

Attending all classes is critical to learning the course material; therefore, they are best attended without missing any. Students must contact the instructor (using UM email) in advance of any absence to discuss the academic consequences. Students are also required to take the mid-term & final exams during the scheduled time, unless pre-arranged with instructor’s approval. All make-ups must be satisfied within one week of absence.

**ACADEMIC CONDUCT:**

All students must practice academic honesty. Academic misconduct is subject to academic penalty by disciplinary sanction from the University of Montana. All students need to be familiar with the Student Conduct Code. The Code is available online at:


**STUDENTS WITH DISABILITIES:**

Students with disabilities may request reasonable modifications by contacting your instructor. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. For more information, please consult

[http://www.umt.edu/disability](http://www.umt.edu/disability)
**COURSE OUTLINE:** This outline is tentative and subject to change at any time.

<table>
<thead>
<tr>
<th>Week of:</th>
<th>Chapter/Topic</th>
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| January 22nd & January 28th | 1: Orientation of the Human Body  
                          2: Chemistry of Life |
| February 2nd & February 4th | 2: Chemistry of Life  
                          3: Cellular Level |
| February 10th & February 12th | 3: Cellular Level & Mitosis  
                          4: Tissue Level |
| February 18th        | Exam 1                                            |
| February 23rd & February 25th | Chapter 5: Integumentary System |
| March 2nd & March 4th | 6: Bones & Bone Tissue  
                          7: Skeletal System |
| March 9th & March 11th | 7: Skeletal System  
                          8: Joints |
| March 16th & March 18th | Chapter 9: Muscle Cells and Tissues               |
| March 23rd & March 25th | Chapter 9: Muscular System                        |
| March 27th & April 6th | Chapter 9: Muscular System                        |
| April 8th             | Exam 2                                            |
| April 13th & April 15th | Chapter 10: Nerve Cells & System                  |
| April 20th & April 22nd | Chapter 10: Nervous System  
                          Chapter 12: Endocrine System |
| April 27th & April 29th | Chapter 13: Cardiovascular: Blood  
                          Chapter 14: Heart |
| May 4th & May 6th     | Chapter 15: Blood Vessels & Circulation            |
| May 11th, Monday      | Final Exam: 11:00 AM -12:40 PM                    |