

Human Biology BIO 103

University College Houlton Higher Education Center

Instructor: Joan Barton

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Office Hours: By appointment

Lecture will be held in Room 124

Recommended Lecture Text: Human Biology, Mader, Sylvia and Windelspecht, Michael. McGraw Hill Publishing Company. New York, New York, Twelfth Edition 2012.

(If you have a copy of the General Biology textbook - The Living World, Johnson, George B., McGraw Hill Publishing Company. New York, New York. Any Edition, this can also be used as the reference textbook.)

Course Description: BIO 103 is an introductory lecture course in human biology. The course will explore the basic biological principles of life and investigate the various body systems, how they maintain the body and what can go wrong when these body systems fail. The semester encompasses the human organization and maintenance of the human body with particular emphasis on health matters.

The course consists of two interactive lecture sessions per week. It is expected that the student will read all assigned materials in advance of class and will be prepared for class participation and discussion. *Emphasis will be on the student's ability to think critically and communicate clearly.* Periodic in-class exercises and activities will test the student's understanding of the materials.

GENERAL COURSE POLICIES

A. COURTESY

- Be on time for all classes (labs and lectures)
- Do not leave during the class unless there is an emergency
- Campus policy prohibits the use of electronic media to call, text, or email during class. If you bring such a device to class, please inactivate it during lecture.
- Refrain from non-class related conversations during class.

B. ATTENDANCE

Attendance at all scheduled meetings is required and critical. The student is responsible for the information presented at all meetings. Three absences will not only leave you clueless but may also result in dismissal from the course.

C. MAKE UP ASSIGNMENTS – NO MAKE-UPS

IMPORTANT: Exams and Quizzes not taken when scheduled and assignments not completed and turned in when due will receive a score of zero points unless the student has received **prior** permission from the instructor. Communication with the instructor is key.

D. ACADEMIC HONEST

Academic honesty is expected and required. Students should refer to the policy of the University pertaining to academic honesty published in the current issue of the University of Maine at Presque Isle Student Handbook. Violations of the policy may result in receiving zero points for the work involved.

E. DISABILITY SERVICES

Students with disabilities needing accommodations or assistance with coursework or testing should contact Jean Henderson Coordinator of Student Services at 521-3100, ext. 3103 in Houlton. Please note that students with disabilities must present current and complete documentation to receive accommodations.

F. TUTORING

Student Support Services offers tutoring to all students via experienced professional and peer tutors. If you are interested in receiving tutoring, please contact Meghan Lightbown, SSS Assistant, at 768-9614 in Presque Isle or Jean Henderson Coordinator of Student Services at 521-3100, ext. 3103 in Houlton.

G. UMPI WRITING CENTER

Located on the first floor of South Hall, the writing center offers one-on-one consultations for writers at all levels of course work, at all stages of the writing process. Call 768-9615 or stop by to set up an appointment. For more information you can also check out our web page: <http://www.umpi.edu/programs/cas/english/writing-center>.

H. GRADING

You final grade will be based on a total of 900 points as follows:

- 4 exams x 100 points each = **400 points**
- Quizzes 5 x 20 = **100 points**
- 3 case studies x 25 points each = **75 points**
- Special Research Project = **100 points**
 - ✚ Synopsis = 20 points
 - ✚ Oral presentation = 30 points
 - ✚ Written report = 50 points
- Homework & key words = **100 points**
- Class participation & special assignments (if any) = **25 points**
- **FINAL EXAM** = **100 points**
- Total points** = **900**

Syllabus for BIO103 Spring 2013

Homework: Key Words for each chapter will be assigned in class and are due at the beginning of the next class. Homework questions and other assignments given during class are due the following class period unless otherwise specified. Below is a tentative schedule that may be adjusted during the semester to better meet student learning needs. Reading assignments may be adjusted to better reflect the focus of subject matter being discussed in class and supplemented with current research articles, so be sure to attend class in case reading assignments are updated, changed or supplemented.

Week	Discussion Topics	Reading Assignments
Wednesday: Jan 23	Introduction, Study tips, Chapter 1: Characteristics of life, Scientific process	Read Chapters 1 and 2 for Monday (Jan 28)
Monday: Jan 28	Chapters 2 Chemistry of life	Read Chapter 3 for Wednesday
Wednesday: Jan 30	Quiz #1 Chapters 1-2 Chapter 3 Cell structure	Read Chapter 4 for Monday
Monday: Feb 4	Chapter 4 Organization and Regulation of Body Systems	Bring any questions on upcoming exam to class for discussion
Wednesday: Feb 6	Exam 1 Chapter 1-4	Read Chapter 5 for Monday
Monday: Feb 11	Chapter 5: Heart and Blood Vessels	Read Chapter 6 for Wednesday
Wednesday: Feb 13	Chapter 6: Blood Case study #1 assignment due Feb 25 th	Read Chapter 7 for Monday
Feb 18/20	Winter Break ☺	
Monday: Feb 25	Quiz #2 Chapters 5 & 6 Chapter 7: Lymphatic system & Immunity	Case study #1 due Bring any questions on upcoming exam to class for discussion
Wednesday: Feb 27	Exam #2 Chapters 5-7 Case Study #2 assignment due March 6 th	Read Chapter 8 for Monday
Monday: Mar 4	Chapter 8: Digestive System and Nutrition	Read the remainder of Chapter 8 and any special reading assignments for Wednesday
Wednesday: Mar 6	Chapter 8: Nutrition and Eating Disorders	Case Study #2 Due Read Chapter 9 for Monday

Week	Discussion Topics	Reading Assignments
Monday: Mar 11	Chapter 9: Respiratory System	Read Chapter 10 for Wednesday
Wednesday: Mar 13	Quiz #3 Chapter 8-9 Chapter 10 Urinary System	Bring any questions on upcoming exam to class for discussion
Monday: Mar 18	Exam #3 Chapters 8-10	Read Chapter 11 for Wednesday
Wednesday: Mar 20	Chapter 11: Skeletal System	Read Chapter 12 for Monday
Monday: Mar 25	Chapter 12: Muscular System	Read Chapter 13 for Wednesday
Wednesday: Mar 27	Quiz #4 Chapters 11 and 12 Chapter 13: Nervous System Case Study #3 - due April 10 th Select special project topic	Read Chapter 14 for Monday after break
April 1 - 4	Spring break ☺	
Monday: Apr 8	Chapter 14: Senses	Case study #3 Due Read Chapter 14 and special reading assignments for Wednesday
Wednesday: Apr 10	Chapter 14 Senses	
Monday: Apr 15	Exam #4 Chapters 11-14	Read Chapter 15 for Wednesday
Wednesday: Apr 17	Chapter 15: Endocrine System	Read Chapter 19 for Monday Turn in synopsis for special project
Monday: Apr 22	Chapter 19: Cancers	Read Chapter 16 for Wednesday
Wednesday: Apr 24	Chapter 16: Reproductive System	Read Chapter 17 for Monday
Monday: Apr 29	Chapter 17: Aging and Development	Read Chapter 18.1, 18.2 and 18.6 Read Chapter 20.1, 20.3-20.5 for Wednesday
Wednesday: May 1	Quiz #5 Chapters 15, 16, 17, 19 Chapter 18 and 20 selected reading	Be prepared to make oral presentation on Monday
Monday: May 6	Finish discussion of Chapters 18 and 20 Student Presentations	Final Written Report due for Special Projects
Wednesday: May 8	Student Presentations Final Exam Review - Q& A	Bring any questions on upcoming exam to class for discussion
Monday: May 13	Final Exam	