WALTERS STATE COMMUNITY COLLEGE
Course Syllabus

Course: BIOL 1120 – General Biology II
Semester: Spring 2015
Instructor: Mr. Jackie Denson, Office WSSC, Phone 865-774-5800
Email: Jackie.Denson@ws.edu
Dr. Abigail Goosie, Office NSCI 121, Phone 423-585-2656
E-Mail: Abigail.Goosie@ws.edu
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E-Mail: Kristin.rich@ws.edu

Office Hours: Instructor’s office hours are posted on their office door and on eLearn course site.
FAX: 423-318-2762
Secretary: 423-585-6865 (Divisional Assistant)

Required Materials:

Purchase access from the Walters State bookstore (ISBN 9781259561009) or directly through eLearn (Course information → Content → MH Campus → Connect). Courtesy access is available up to 14 days before purchase.

This custom package includes the following:

1. Learning resources within McGraw-Hill’s Connect platform (720-day access):
   ✓ Personalized, adaptive SmartBook for Peter Raven’s Biology (10th edition). You will engage with course content/chapters outside of class using the adaptive SmartBook, and then class time will focus on expanding and applying these concepts to real-life.
   ✓ Connect online homework system, through which you will complete graded quizzes, SmartBook, and other graded assignments for this course, and
   ✓ LearnSmart (LS) adaptive study tools, accessible also via the MH LearnSmart app (free download, iOS & Android).

2. A downloadable, interactive eBook for reading on-the-go and in places without internet access. Optimized for Smartphones, tablets, laptops, desktops, KindleFire, and IOS devices –view and download directly from our eLearn course site. View this on your mobile device via the VitalSource Bookshelf app (free download, iOS and Android).

Registration walkthrus and more info available on our eLearn course site.
For assistance and tech support, contact the McGraw-Hill Customer Experience Group:
1-800-331-5094 Live Chat: mhhm.com, then “Technical Support” at bottom
Hours (EST): Mon-Thurs 9a-12a, Fri 9a-7p, Sat 11a-5p, Sun 1p-12a
Or submit a contact form at http://mpss.mhhe.com/contact.php
Course Catalog Description:
This course is a study of the diversity of life illustrating the principles and unifying concepts of biology. The topics studied include: the common themes in living systems (e.g., morphology, evolution, phylogeny), domains and kingdoms, the major plant and animal groups, comparative organ systems and structures in humans and animals, the interrelationship of plants and animals within various ecological habitats and the impact of natural phenomena on the various biomes.
This course is intended for science majors. (Co-requisite: BIOL 1121)

3 hours lecture .................................................................3 credits

Course Outcomes:
Students should be able to:
1. Discuss the Darwinian Theory of Evolution based on the principle of Natural Selection and determine that evolution is the “core theme” of Biodiversity.
2. Explore and compare the form and function of bacteria, protists and fungi.
3. Demonstrate a thorough understanding of plant and animal diversity.
4. Identify the basic functions of living organisms, including a comprehensive understanding of organismal systems.
5. Understand ecological interactions between organisms and the environment, as well as energy flow, material cycling and the impact of climate on terrestrial and aquatic biomes.

Course Content:
UNIT and TOPIC in Raven

I. Introduction/Evolution
The Science of Biology 1
*The Evidence for Evolution 21
The Origin of Species 22
*The Origin and Diversity of Life 26
Prokaryotes 28
Protists 29
Fungi 32

II. Plant and Animal Diversity
Seedless Plants 30
Seed Plants 31
Animal Diversity and the Evolution of Body Plans 33
Protostomes 34
Deuterostomes 35

Plant Form and Function
*Plant Form 36
*Transport in Plants 37
*Plant Reproduction 41
*Sensory Systems in Plants 40
III. Animal Form and Function Part I
The Animal Body and Principles of Regulation 42
The Digestive System 47
The Respiratory System 48
The Circulatory System 49
*The Immune System 51
Osmotic Regulation and the Urinary System 50
The Endocrine System 45

IV. Animal Form and Function Part II
The Reproductive System 52
Animal Development 53
The Nervous System 43
Sensory Systems 44
*Behavioral Biology 54

V. Ecology
The Biosphere 58
Ecology of Individuals and Populations 55
Community Ecology 56
*Dynamics of Ecosystems 57

* Topics addressed through self-study on eLearn

General Education Course Designation: Natural Science (3 hours)

Methods of Instruction:
Lectures and discussion: You are expected to attend class, pay attention, and participate actively in discussions by answering questions, asking questions, and making comments. Outlines and PowerPoint presentations used in lecture are available for your review on the Walters State eLearn page for this course.

Connect Assignments: Students will be required to complete homework (LearnSmart) and end-of-unit self-assessments (Quizzes) for all content covered in this course. LearnSmart assignments in Connect are designed to introduce you to content before coming to class. Quizzes in Connect are designed to reinforce material learned in class discussions for mastery before a major unit exam. These assignments will include activities and inquiries that encourage practical application of course content.

Expectations:
Satisfactory performance in college courses generally asks for two hours of study outside of class for each hour in class. This estimate applies to an "average" student expecting an "adequate" (=C) grade. Students aiming higher or those with academic problems should expect to spend more effort than the minimum. Should you procrastinate, not read ahead of time, or expect to cram everything on last days before exams this course may not be for you.
The Student Can Expect from the Instructor:
1. Email response within 24 hours during the normal work week. Holidays and vacations excluded.
2. Email during the weekend will be answered on Monday.
3. Exams to be graded and returned in a timely manner.
4. Enthusiasm for the subject and encouragement to help you when you need it.
5. A fair grading system with feedback.
6. Learning that ties concepts into the real world around us.
7. Respect for you as a learner.

Exams and Grading:
Lecture exams are focused on the student’s ability to understand the Learning Outcomes as demonstrated by performance on course examinations. Multiple choice, short answer, and essay questions may be used. Proficiency in the biology classroom is achieved through comprehension of the lectures and discussions.

Grading Scale:
A total of 6 examinations are administered either in class or on eLearn, 5 regular lecture exams and 1 comprehensive final examination. One regular lecture exam can be replaced with the Self-Study assignments/quizzes through eLearn.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>% of Final Grade</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect LearnSmart</td>
<td>15</td>
<td>Prior to scheduled lecture</td>
</tr>
<tr>
<td>Connect Quizzes</td>
<td>5</td>
<td>At Completion of in-class discussion of the content</td>
</tr>
<tr>
<td>Unit I Exam</td>
<td>12</td>
<td>Scheduled by Instructor</td>
</tr>
<tr>
<td>Unit II Exam</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Unit III Exam</td>
<td>12</td>
<td></td>
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<tr>
<td>Unit IV Exam</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Unit V Exam</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Comprehensive Exam</td>
<td>20</td>
<td>Final Exam Week Schedule</td>
</tr>
</tbody>
</table>

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = Below 60%

Grading Policy:
1. **ALL** exams are to be taken at times scheduled by the instructor.
2. **ALL** exams scheduled in the course by the instructor must be taken in order for the student to receive a passing grade. Any exceptions must be approved by the Academic Dean and the Vice President of Academic Affairs.
3. Make-up exams will be given at the discretion of the instructor for excused absences only (excused absences include illness, death in family, and military or jury duty). Make-up Exams may be a totally different type of exam (discussion tests are possible).
4. Make-up exams must be taken before the next scheduled exam or a grade of zero will be recorded.

5. Exams may be given in class or on eLearn at the discretion of the instructor

6. Each professor has the option to offer the opportunity to earn up to 25 additional points through the semester. Examples include, but are not limited to, bonus questions on exams, in class quizzes, attending a scientific event, etc. The instructor’s policy will be explained in detail on the first day of class. In no instance will credit be provided for any activity not related to the scope of the course. The aim of the class is to get a solid understanding of biology so that grades reflect our abilities to communicate the material and not a supplementary assignment or task. All students, especially those that feel they are struggling with the material, are strongly encouraged to use office hours, send emails, make appointments for extra help, etc. throughout the semester.

7. Instructor may offer opportunities to earn points towards tests through Challenge-Based Learning.

8. Plagiarism, cheating and other forms of academic dishonesty are prohibited and may result in a grade of zero on associated assessments and potentially academic dismissal.

Course Ground Rules:
All students attending Walters State Community College, regardless of the time, location, or format of the class, must abide by the rules and regulations outlined in the current Walters State Catalog/Student Handbook and the current Walters State Timetable of Classes. The Catalog/Student Handbook and the Timetable of Classes are online at: http://ws.edu

Students must attend the first day of on-ground class or contact the instructor prior to the first class. Failure to do this may result in being dropped from the class. Excessive absences may substantially lower the course grade.

Students enrolled in web courses must follow the course attendance policy defined for online attendance during the first week of class and throughout the term. Failure to do this may result in being dropped from the class during week one OR may result in the accrual of absences which may negatively impact the student’s grade in the course.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. The minimum penalty for cheating is a “0” (zero) on the examination or assignment. Academic dishonesty may result in an “F” for the course. Additional information can be found in the WSCC Catalog/Student Handbook at: http://ws.edu.

Students with disabilities must register with Student Support Services each semester in the Student Services Building, Room U134 (phone 423-585-6892) if they need any special facilities, services, or consideration.

Students in need of tutoring assistance are encouraged to contact the Office of Student Tutoring located as follows:
- Morristown Campus - Student Services Building Room L107 – (423) 585-6920
- Greeneville Campus – Room 420 - (423) 798-7982
- Sevierville Campus - Marshall-Maples Hall Room 118 – (865) 286-2787
- Claiborne Campus – Room 123A (423) 851-4761
Specific tutoring assistance in mathematics and writing is available in-person and online as follows:

- Morristown Campus – English Learning Lab – HUM 120 – (423) 585-6970
  - o https://www.ws.edu/academics/humanities/writing-lab
- Morristown Campus – Mathematics Lab – MBSS 222 - (423) 585-6872
  - o http://ws.edu/academics/mathematics/learning-lab

Students who need assistance with computing and technology issues should contact the IET Helpdesk by phone at Morristown: 423-318-2742 Greeneville: 423-798-8186 or Sevierville: 865-286-2789 or on-line access at: http://helpdesk.ws.edu/.

Students receiving any type of financial aid or scholarship should contact the Financial Aid Office before making any changes to their schedule. Schedule changes without prior approval may result in loss of award for the current term and future terms.

Students who have not paid fees on time and/or are not correctly registered for this class and whose names do not appear on official class rolls generated by the Walters State student information system (StarNET) will not be allowed to remain in class or receive credit for this course.

Electronic devices must not disrupt the instructional process or college-sponsored academic activity. Use of electronic devices is prohibited unless use of the device is relevant to the activity and use is sanctioned by the faculty member in charge. Electronic devices that are not relevant to the activity or sanctioned by the faculty member in charge should be set so that they will not produce an audible sound during classroom instruction or other college-sponsored academic activity.

For information related to the cancellation of classes due to inclement weather, please check the college’s Web site at www.ws.edu or call the college’s student information line, 1-800-225-4770, option 1; InfoConnect, (423) 581-1233, option 1045; the Sevier County Campus, (865) 774-5800, option 7; or the Greeneville/Greene County Campus (423) 798-7940, option 4. Also, please monitor local TV and radio stations for weather-related announcements. For additional information on this policy see the college catalog at: http://ws.edu

Dual Enrollment students attending on a high school campus should refer to the high school inclement weather cancellations.

In the event of a pandemic or other college-declared critical event that impacts the college’s ability to proceed with academic course activities as planned, the college reserves the right to alter this course plan. In the event of a pandemic or other event, please refer to the college’s home web page, www.ws.edu or call InfoConnect, (423) 581-1233 for further information.

Regular class attendance is a student’s obligation for any course regardless of format. (See the Walters State Catalog/Student Handbook) If a student misses class, it is his or her responsibility to contact the instructor regarding missed assignments and/or activities and to be prepared for the next class assignment.
All forms of student Financial Aid may be jeopardized or lost due to the lack of Satisfactory Academic Progress in one or multiple courses. Lack of Satisfactory Academic Progress may negatively impact a student’s degree/certificate completion pace and further jeopardize Financial Aid eligibility.

The wearing of hats and caps in class is not allowed! Students will be asked to remove their hats and caps.

**STAY AWAKE IN CLASS.** Your mere presence in class is not sufficient—you must be able to actively process the information presented! Sleeping in class is disruptive in two ways: the student who is snoozing is not interested and not participating in the classroom discussion; secondly, sleeping in class is considered to be disrespectful to the teacher and other students. The penalty for sleeping in class may range from the student being requested to leave the class with a following conference with the instructor, to notification of the Vice-President of Academic Affairs (in the cases of habitual sleepers). If you have a medical condition that prevents you from staying awake in class, please discuss this with the instructor.

The Drop Date for Spring 2015 is April 2. (Per the Timetable)

**ATTENTION:** The Natural Science faculty members are concerned with proper academic advising of students in **ALL** Pre-Professional programs. It is our explicit desire to help you with any advising problems you may encounter.