WALTERS STATE COMMUNITY COLLEGE
Course Syllabus

Course: BIOL 1111 – General Biology I Lab
Semester: Fall 2014
Instructor: Mr. Jackie Denson, Office WSSC, Phone 865-774-5800
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Mrs. Kristin Rich, Office NSCI 116, Phone 423-318-2701
E-Mail: Kristin.Rich@ws.edu

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

Required Materials:

Connect with LearnSmart Labs for Biology, 1st edition, McGraw-Hill. Purchase access to
Connect/LearnSmart Labs via eLearn (Course information → Content → MH Campus → Connect).
Access can also be purchased at the Walters State bookstore (ISBN 9781259409844). Courtesy access
is available up to 14 days before purchase.

LearnSmart Labs is an adaptive, interactive lab simulator that prepares you to engage and succeed in this
lab course. Lab assignments, quizzes, and other related activities will be completed through Connect.

Registration walkthroughs and more info available on our eLearn course site.
For assistance/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

Catalog Course Description:
This course contains laboratory experiments and exercises designed to stress basic laboratory skills and
procedures such as pipetting and mixing solutions, as well as introducing modern methods for analysis
of cell components, all of which correspond to lecture material in BIOL 1110. This course is intended
for science majors. All Learning Support math classes must be completed before taking this course.
(Pre- or Co-requisite: BIOL 1110)
Course Outcomes:
By the end of the course students should be able to:
1. Evaluate the data gathered from the “Scientific Experiment.”
2. Interpret the graph prepared from the data recovered from the experiment.
3. Reconstruct details concerning the cell, cellular organelles and their structure and function.
4. Reconstruct details concerning the gene, Mendelian laws, chromosomal theories and actions.
5. Apply concepts learned in BIOL 1110 by conducting experiments involving current molecular and biological techniques.

General Education Course Designation: Natural Science (1 hour)

Instructional and Evaluation Methods:
Students are graded on their completion of 3 types of activities: Connect Assignments (Pre-Labs), eLearn quizzes (Post-Labs) and laboratory practical exams. Students are expected to complete “Lab Prep” assignments in Connect before coming into the lab each week (with exception of week 1 lab). Pre-lab assignments will close at 8 am the day of lab. Grades on pre-lab assignments must be 80% or better to be accepted. Students not completing pre-lab assignments to a score of 80% before their lab session will not be permitted to start the corresponding lab the day of class. Post-lab assignments are assigned with each lab and are to be completed before the next week’s lab – no exceptions. A list of pre- and post-lab assignments can be found in the schedule below. Laboratory practical exams will focus on activities and results obtained from the laboratory exercises and pre/post labs and assess the achievement of the learning outcomes prescribed for this course.

Your attendance is essential to your success. You are required to attend each laboratory session in its entirety; each failure to do so without an acceptable excuse will result in **5 points being subtracted for the overall test points** for each laboratory class missed. If you cannot attend your normal laboratory section you may avoid the penalty by arranging in advance to attend a different section that week; however, this requires the advance consent of both lab instructors. It is your responsibility to make sure your regular lab instructor is aware that you attended a different section.

All lab exams are to be taken as scheduled by the instructor and all must be taken in order to receive a **passing grade** for the course. If you miss an exam with acceptable justification (e.g. A signed physician’s note explaining why you could not attend.) you must contact your lab instructor within 48 hours to determine if other arrangements to take the exam can be made, otherwise a grade of zero will be given for that exam. Any exceptions must be approved by the Academic Dean and Vice President of Academic Affairs.

Evaluation & Grading:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>% of Final Grade</th>
<th>Grading Scale</th>
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</thead>
<tbody>
<tr>
<td>Connect Assignments</td>
<td>20</td>
<td>A 90-100%</td>
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<tr>
<td>eLearn Lab Quizzes</td>
<td>10</td>
<td>B 80-89%</td>
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<tr>
<td>Lab Exam #1</td>
<td>20</td>
<td>C 70-79%</td>
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<tr>
<td>Lab Exam #2</td>
<td>30</td>
<td>D</td>
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<tr>
<td>Lab Exam #3</td>
<td>20</td>
<td>F</td>
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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 15 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. 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.
<table>
<thead>
<tr>
<th>WEEK #</th>
<th>EXPERIMENTS</th>
<th>ASSIGNMENTS</th>
<th>Checklist</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Measurements &amp; Metrics</td>
<td>Due Week 2: Scientific Method Lab</td>
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<td></td>
<td></td>
<td>Week 1 eLearn quiz</td>
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<td>Lab Prep: Chemistry</td>
<td>☐</td>
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<td>2</td>
<td>Inorganic &amp; Organic Chemistry</td>
<td>Due week 3: Week 2 eLearn Quiz</td>
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<td>Lab Prep: Enzymes</td>
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<tr>
<td>3</td>
<td>Enzymes</td>
<td>Due week 4: Week 3 eLearn Quiz</td>
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<td>4</td>
<td>Lab Test #1</td>
<td>Due week 5: Osmosis &amp; Diffusion Labs</td>
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<td></td>
<td>Prepare columns for following week</td>
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<td>5</td>
<td>Column Chromatography of Proteins</td>
<td>Due week 6: Week 5 eLearn quiz</td>
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<td>Lab Prep: Electrophoresis</td>
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<td>6</td>
<td>Protein Electrophoresis – Sickle Hb</td>
<td>Due week 7: Week 6 eLearn quiz</td>
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<td>Lab Prep: Cell Respiration</td>
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<td>7</td>
<td>Cellular Respiration</td>
<td>Due week 8: Week 7 eLearn quiz</td>
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<td>Lab Prep: Photosynthesis I</td>
<td>☐</td>
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<tr>
<td>8</td>
<td>Photosynthesis</td>
<td>Due week 9: Week 8 eLearn Quiz</td>
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<tr>
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<td>Lab: Photosynthesis II</td>
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<td>9</td>
<td>Lab Test #2</td>
<td>Due week 10: Mitosis &amp; Meiosis Labs</td>
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<td>Lab Prep: Genetics I</td>
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<td>10</td>
<td>Genetics</td>
<td>Due week 11: Genetics II Lab</td>
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<td>Week 10 eLearn quiz</td>
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<td>Lab Prep: DNA Biotechnology</td>
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<td>11</td>
<td>DNA Isolation &amp; PCR</td>
<td>Due week 12: Assign: DNA Case Study</td>
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<td>12</td>
<td>Gel Electrophoresis &amp; Analysis</td>
<td>Due week 13: Week 11/12 eLearn quiz</td>
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<td>13</td>
<td>Lab Test #3</td>
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<td>14</td>
<td>Make-Up day</td>
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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
  - https://www.ws.edu/academics/humanities/writing-lab
- Morristown Campus – Mathematics Lab – MBSS 222 - (423) 585-6872
  - 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](http://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](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](http://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.
Safety:
1. There will be **NO food, drink or tobacco products in the laboratory**.
2. **NO opened-toe shoes** can be worn during lab. You will not be allowed to stay in the laboratory if the lab exercise uses any sort of glassware or chemicals.
3. **NO purses, bags or coats** on top of the student tables.
4. **NO visitors in the laboratory without prior approval of the instructor**.

Your Right to Know:
Tennessee Law requires that you are provided notice that some of the laboratory exercises involve contact with chemicals which have been identified with potential health hazards. These chemicals include, but are not limited to: acetone, chloroform, formalin, acids and bases. While every effort has been made to make the materials as safe as possible these chemicals are toxic and you must be responsible for their safe handling. If you feel you may be at a higher risk then normal, if pregnant for example, we recommend you consult your physician.

**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.

The last day to drop a course or withdraw from the college-full term for Fall 2014 term is November 5, 2014.