WALTERS STATE COMMUNITY COLLEGE
Course Syllabus

Course: BIOL 1121 – General Biology II Lab
Semester: Fall 2014- Spring 2015
Instructor: Mr. Jackie Denson, Office WSSC, Phone 865-774-5800
Email: Jackie.Denson@ws.edu
Mrs. Elesha Goodfriend, Office NSCI 114A, Phone 423-318-2775
E-Mail: Elesha.Goodfriend@ws.edu
Dr. Abigail Goosie, Office NSCI 121, Phone 423-585-2656
E-Mail: Abigail.Goosie@ws.edu

Office Hours: Instructors’ office hours are posted on their office doors and on e-Learn course site.

FAX: 423-318-2762
Secretary: 423-585-6865 (Divisional Assistant)

Required Textbook:
None- handouts will be supplied by the instructor or posted on e-Learn to be printed by the student.

Catalog Course Description:
This course is a study of the basis of life including plant and animal classification and histology, plant and animal morphology, the interrelationships between bacteriological systems and the impact of these systems on humans, human and population genetics, and ecological field studies to examine the diversity of plants and animals in various terrestrial and aquatic habitats. Experiments and exercises correspond to lecture material in BIOL 1120. This course is intended for science majors. All Learning Support math classes must be completed before taking this course. (Pre- or Co-requisite: BIOL 1120)

3 hours laboratory ....................................................................1 credit hour

Course Outcomes:
By the end of the course students should be able to:
1. Understand the principles of the “Scientific Method” and be able to apply these principles to experiments to test hypotheses.
2. Evaluate and present original data gathered from scientific experiments.
3. Demonstrate knowledge of form and function of both plant and animal groups.
4. Understand the significance of field experiments utilized in ecological studies.

General Education Course Designation: Natural Science (1 hour)
**Instructional and Evaluation Methods:**
Three laboratory exams worth 100 points each will be given. The exams will focus on activities and results obtained from the laboratory exercises and assess the achievement of the learning outcomes prescribed for this course. You will also be responsible for written lab assignments worth a total of 100 points.

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 total 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, if available; however, this requires the advanced consent of your regular lab instructor.

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.

**Grading Scale:**

<table>
<thead>
<tr>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>D</td>
</tr>
<tr>
<td>F</td>
</tr>
</tbody>
</table>

**Total Points**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>360 or more points</td>
</tr>
<tr>
<td>B</td>
<td>320-359 points</td>
</tr>
<tr>
<td>C</td>
<td>280-319 points</td>
</tr>
<tr>
<td>D</td>
<td>240-279 points</td>
</tr>
<tr>
<td>F</td>
<td>239 or less points</td>
</tr>
</tbody>
</table>

**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. Instructor may offer up to 15 points bonus towards test grades if desired.
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.
Course Content:

<table>
<thead>
<tr>
<th>WEEK #</th>
<th>SUBJECT</th>
</tr>
</thead>
</table>
| 1      | Attendance/Syllabus/Intro  
Bacteriology A *(streak plates)* |
| 2      | Bacteriology B  
*(reading results; simple stain; antimicrobial testing)*  
Bacterial Transformation |
| 3      | Bacteriology C  
*(reading results; bacterial smear & gram stain)*  
Begin - Inquiry based project |
| 4      | **Lab Exam 1 (100 pts)**  
Inquiry based project – week 1 results |
| 5      | Plant Diversity  
Inquiry based project – week 2 results |
| 6      | Animal Diversity  
Inquiry based project – week 3 results |
| 7      | **Lab Exam 2 (100pts)**  
Population Biology - Cemetery study |
| 8      | **Spring Break** |
| 9      | Animal Anatomy (Pig lab) |
| 10     | Animal Anatomy (Pig lab) |
| 11     | Zoo Field Trip * |
| 12     | Ecology 1 - 1st Field trip** |
| 13     | Ecology 2 - 2nd Field trip** |
| 14     | Cemetery Project Presentations & Field trip follow-up** |
| 15     | **Lab Exam 3 (100 pts)** |
| 16     | Make-up day |

* The Zoo field trip will be at the Knoxville Zoo (travel required; regardless of weather!)
** trip dates may vary according to weather and will be held during class time (some travel required)
Course Ground Rules:
All students attending Walters State Community College, regardless of the time and location 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. A copy of the
Catalog/Handbook and the Timetable of Classes may be obtained from the admissions office on
the main campus or at any of our off-campus sites. You may also access the Catalog/Handbook
on-line at the following web address: http://www.ws.edu/catalog

Students should attend the first day of class or contact the instructor prior to the first class.
Failure to do this may result in being dropped from the class.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited.

Students with disabilities must register with Student Support Services 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 in the Student Services Building, Room L107 at phone number 423-585-6920 or 423-798-
7982 for the Greeneville Campus, 865-286-2787 for the Sevierville Campus, 423-851-4762 for the
Claiborne Campus.

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 Admissions and Records
Office 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 Center for Higher Education, (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.

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

Regular class attendance is a student’s obligation. (See the Walters State Catalog/Student
Handbook) If for some reason a student misses class, it is his or her responsibility to see the
instructor regarding missed assignments and/or activities and to be prepared for the next class.
Excessive absences may substantially lower the semester grade. The college requires the
instructor to keep accurate records and to report when students are not attending class.
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.**

**The last day to drop a course or withdraw from the college-full term for Spring 2015 term is April 2, 2015.**