Abraham Baldwin Agricultural College
Fall 2013 Syllabus
BIOL 1107L: Principles of Biology I Lab
CRN 20487 T 2-3:50pm
Britt 202

**Instructor:** Dr. Heather M. Cathcart  
**Email:** hcathcart@abac.edu  
**Daytime phone:** 229-391-5119  
**Office:** Conger Hall 203  
**Office hours:** M 8-10am, 2-4pm; T 8-9am; W 8-10am, 2-3pm (AAC) and F 8-10am or by appointment.

**Course Description:** This is a one credit hour introductory biology laboratory that is the companion course to BIOL 1107 lecture. Laboratory exercises will provide hands-on reinforcement to the biological principles introduced in the lecture.

**Learning Outcomes:**  
1. Demonstrate knowledge of lab safety procedures, skills and policies  
2. Demonstrate competence in the process skills associated with science  
3. Demonstrate knowledge of diagnostic tests, reagents and their function  
4. Demonstrate knowledge of cell structure and function  
5. Demonstrate knowledge of chemical processes in living organisms and classes of biological molecules  
6. Demonstrate knowledge of genetics and cell division

**Prerequisite:** Exemption from or successful completion of READ 0099, ENGL 0099 and MATH 0099.  
**Co-requisite:** BIOL 1107 lecture

**Required materials:**  
1. BIOL 1107 Laboratory Manual (Principles of Biology I) by ABAC Faculty  
2. Safety goggles or glasses  
3. 2 (882-E) scantrons due by 9/10/13

**Class website:** https://abac.view.usg.edu/ (Desire2Learn)

**Attendance:** Courses at Abraham Baldwin Agricultural College (ABAC) are provided for the intellectual growth and development of the students. The interaction with instructors and other students is an important element of the learning process, and a high correlation exists between class attendance and course grades, this is especially true in laboratory classes. In order to attain maximum success, students should plan to attend all lab classes and be on time. Roll will be taken during each lab period. Please note that you are responsible for any announcements, handouts and/or notes during a missed lab. You are expected to notify the instructor prior to any missed labs. Arrangements can be made on a limited basis to attend another lab. Labs can only be made up during the week in which the lab is scheduled.

**Exams:** Laboratory make-up examinations will only be given in rare circumstances and only for the laboratory midterm examination. In order to make-up the lab midterm exam the student must provide the instructor with an obituary notice, legal document, doctor's note or official letter from ABAC prior to taking the missed exam. Any student who misses the midterm examination must make-up the midterm exam within two weeks of the original exam date. The cumulative laboratory final examination must be taken by each student in order to receive full credit for the course. No make-up laboratory final examinations will be given and no substitution of points will be permitted.
Withdrawal: A student may withdraw from the course up to the midpoint of the semester and receive a grade of W. After midterm, students may withdraw only with permission of the Academic Dean and may receive a grade of WF. A student withdrawing from lab must also withdraw from the co-requisite lecture. Students that stop attending class without officially withdrawing will still receive a grade for the course.

Academic Conduct Code: Academic integrity is the responsibility of all ABAC faculty and students. Academic dishonesty and irregularities include, but are not limited to, giving or receiving of unauthorized assistance in the preparation of any academic assignment; taking or attempting to take, stealing, or otherwise obtaining in an unauthorized manner any material pertaining to the education process; selling, giving, lending, or otherwise furnishing to any person any question and/or answers to any examination known to be scheduled at any subsequent date; fabricating, forging, or falsifying lab or clinical results; plagiarism in any form related to themes, essays, term papers, tests and other assignments. Academic dishonesty and irregularities will result in a grade of 0 for the assignment and may be subject to disciplinary procedures as outlined in the student handbook. Please check with your course instructor if you have any questions about the conduct code. (http://www.abac.edu/wp-content/uploads/2012/11/Student-Handbook.pdf)

Accommodation of Disabilities If there is a student in this class who has documented specific needs because of learning disabilities or any other disability; please contact the course instructor immediately to discuss accommodations.

Student Evaluations:
Grades will be determined as a percentage of the maximum number of points for the entire course and based on the grading scale as outlined below.

Point distribution:
Cumulative Midterm Exam 100 points
Cumulative Final Exam 100 points
Quizzes (10pts x9) 100 points
Worksheets and Participation (5pts x10 labs) 50 points
Total Points 350 points

Grading Scale:
A 100-90% (≥314pts) B 89-80% (≥279pts) C 79-70% (≥244pts) D 69-60% (≥209pts) F 59-0% (≤208pts)

In the event that a student’s final laboratory percentage is close to the next highest grade category, the instructor may consider attendance, preparation and/or participation in determining the final grade. A student’s final letter grade will only be elevated if their final class percentage is within one point of the next highest grade category.

Exam Policies: Students enrolled in classes in the School of Science and Mathematics will be expected to demonstrate an understanding of the subject matter. Programmable calculators, cell phones, PDAs or other electronic communication devices are not permitted during exams. Also ball caps or other hats may not be worn on exam days.

Statement of Classroom Civility: “An Abraham Baldwin College student is expected to show proper respect for order, morality, and the rights of others. Conduct which is normally reprehensible or which is of a disorderly nature and in violation of written policy shall subject the student to disciplinary action.” Cell phones, pagers, and all other electronic communication devices should be turned off and out of sight during lab. Please notify the instructor in advance (at the start of class) if an emergency exists where you need your phone. Disruptive behavior or failure to dress appropriately for lab will result in being asked to leave the classroom for the day.
## Tentative Schedule

<table>
<thead>
<tr>
<th>Day/Date</th>
<th>Laboratory Exercise</th>
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<tbody>
<tr>
<td>T 8/20</td>
<td>Roll call/Syllabus/Lab safety Microscope Techniques</td>
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<tr>
<td>T 8/27</td>
<td>Quiz 1/Living Cells</td>
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<td>T 9/03</td>
<td>No Lab-Labor Day</td>
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<td>T 9/10</td>
<td>Quiz 2/Organic Molecules <em>safety glasses required</em></td>
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<td>T 9/17</td>
<td>Quiz 3/DNA Isolation and Sequencing <em>safety glasses required</em></td>
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<td>T 9/24</td>
<td>Cumulative Midterm Exam</td>
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<td>T 10/01</td>
<td>Quiz 4/The Function of Enzymes <em>safety glasses required</em></td>
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<td>T 10/08</td>
<td>Quiz 5/Osmosis and Diffusion</td>
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<td>T 10/15</td>
<td>No Lab-Fall Break</td>
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<td>T 10/22</td>
<td>Quiz 6/Cellular Respiration <em>safety glasses required</em></td>
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<td>T 10/29</td>
<td>Quiz 7/Photosynthesis <em>safety glasses required</em></td>
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<td>T 11/05</td>
<td>Quiz 8/Mitosis</td>
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<td>T 11/12</td>
<td>Quiz 9/Genetics</td>
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<td>T 11/19</td>
<td>Quiz 10/Final Review</td>
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<td>T 11/26</td>
<td>No Lab-week of Thanksgiving</td>
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<tr>
<td>T 12/3</td>
<td>Cumulative Final Exam</td>
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*The instructor reserves the right to make modifications to the schedule and/or syllabus at any time. The lab topics will be covered in the order listed above and exams will be given on dates specified; however, the instructor may modify the pace at which the material is covered; add or delete material; and/or modify the content covered on each exam. Students are expected to read relevant textbook/laboratory chapters and/or assigned material prior to each laboratory period. If the campus is closed due to inclement weather or class is officially canceled by the instructor, plan on the missed activities occurring on the next scheduled class day.*