CASPER COLLEGE COURSE SYLLABUS
BIO1010-General Biology

Semester/Year: Spring 2016

Lecture Hours: 3  Lab Hours: 3  Credit Hours: 4

Class Time: Section N1  Days: ON-LINE DELIVERY  Room: ON-LINE DELIVERY

Instructor's Name: Kelly Keenan, M.S.

Instructor's office location: Office Phone: Email:
LS 105 (307) 268-2302 kelly.keenan@caspercollge.edu

Office Hours: Monday and Wednesday 10 AM-12 PM as well as Friday 10-11 AM

Course Description: This course covers fundamental concepts including basic chemistry, cell structures and functions, tissues, cellular respiration, energy reactions, genetics, population dynamics, and evolutionary theory. General Biology is designed for life science majors and pre-professional life science curricula. It is anticipated that students have had one year of high school biology.

Statement of Prerequisites: No prerequisites. High school biology is recommended but not required.

Goal: After completing BIO 1010, a student should have a general understanding of biological chemistry, cell biology, genetics and evolution.

Outcomes: A student should demonstrate an understanding of: atomic structure and molecular bonding, elementary organic chemistry, significance of pH, cell membrane properties, enzyme importance and action, cellular respiration, cell division, (both mitosis and meiosis), protein synthesis, mechanisms and importance of evolution by natural selection, and speciation mechanisms. In line with Casper College guidelines, a student will be expected to be able to:

1. Demonstrate effective oral and written communication
2. Use the scientific method
3. Solve problems using critical thinking and creativity
4. Use quantitative analytical skills to evaluate and process numerical data

Methodology: This is a lecture/lab course. You are required to complete assignments from both components in order to receive a passing grade in the course.

Text, Readings, and Materials:
Lecture: Campbell Biology, N.A. Reece
Lab: Handouts provided

Evaluation Criteria: You will be evaluated on the following criteria for this course: performance on lecture exams (these consist of multiple choice, true/false, matching, fill-in-the-blank, essay and short
answer questions), homework assignments, response papers, lab reports, and lab assignments.

**Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.**

**Examination Policy:** You are expected to take all exams during the scheduled time. Exam dates listed on this syllabus are tentative and subject to change. The instructor will notify you well in advance if there will be a change to the exam schedule. See the Casper College Student Handbook for information on how to handle absences due to illness or death in the family.

**Grading:** Your grade in the course will be assigned based on the percentage of the total points you earn. Points are derived from lecture and lab exams, lab quizzes, as well as from assignments. The point distribution is as follows:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Exams</td>
<td>3 x 100 pts</td>
<td>300</td>
</tr>
<tr>
<td>HW</td>
<td>20 x 5 pts</td>
<td>100</td>
</tr>
<tr>
<td>Science in the News</td>
<td>2 x 25 pts</td>
<td>50</td>
</tr>
<tr>
<td>Lab Assignments</td>
<td>10 x 30 pts</td>
<td>300</td>
</tr>
<tr>
<td>Lab Report</td>
<td>1 x 25 pts</td>
<td>25</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1 x 200 pts</td>
<td>200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>975</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
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*All assignments are due at the end of each week unless notified otherwise; late work is not accepted.*

Grades for this course will be assigned on a percentage bases (90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D; <60% = F).

**Class Policies:** The last date to change to audit status or withdraw with a “W” grade is April 14, 2016.

**Student Rights and Responsibilities:** Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

**Chain of Command:** If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head (Scott Johnson), the Dean (Grant Wilson), and lastly the Vice President for Academic Affairs (Shawn Powell).

**Academic Dishonesty:** (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

**Official Means of Communication:** Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

**ADA Accommodations Policy:** If you need academic accommodations because of a disability,
please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.