GENERAL INFO

**Instructor:** Dr. Erica L. Wildy  
**Office:** SC S325/LI 2352  
**Phone:** 885-3347  
**email:** erica.wildy@csueastbay.edu

DR. WILDY’S OFFICE HOURS

- **Mondays:** 1:30-3:00p (S. Sci 325)  
- **Wednesdays:** 2:30-4:00p (LI 2352)  
  Appointments may also be made.

COURSE LEARNING OUTCOMES

To familiarize you with the biology of animals including issues in evolution, functional morphology, physiology, and ecology. Specifically, during this course, you will learn about:

- Understand the basic classification of animals
- Understand the form and function of animals and animal-like microorganisms (protists)
- Understand the workings of invertebrate and vertebrate biological organ systems
- Understand biology as it relates to the Earth’s environment

TEXTS/MATERIALS

**Required:**  
1) **Textbook:** “Principles of Biology” (an e-text!). You can access at:  
   [http://www.nature.com/principles](http://www.nature.com/principles)  
   Published by Nature Education: [http://www.nature.com/principles/about](http://www.nature.com/principles/about)  
   Acknowledgements at: [http://www.nature.com/principles/acknowledgements](http://www.nature.com/principles/acknowledgements)  
2) **Lab Manual:** Biology 1403: Foundations Of Animal Biology Fall 2012 e-manual (available on Blackboard)  
3) **Scantron forms** (two, Green, 100 questions, # 882-E or #882-ES).

**Optional/Recommended:**  

BLACKBOARD

I will be using this online website program to post important information. Therefore, it would be to your advantage to check this daily for any new updates. Course information, including announcements, instructor information, and other relevant information will be posted on Blackboard which can be accessed via the web at:  
[https://bb.csueastbay.edu/webapps/portal/frameset.jsp](https://bb.csueastbay.edu/webapps/portal/frameset.jsp)  
You will be required to enter your username and password.

GRADING

Your grade in the course will be determined by your performance on assignments and exams in both the lecture (60%) and laboratory (40%) sections of the course. **Note! You will not be able to pass this course unless you pass BOTH the lecture and the lab** (i.e. you have to pass each portion with no less than 60% of the possible points). You can earn up to a total of 300 pts in the class.
The general point breakdown is shown below:

<table>
<thead>
<tr>
<th>LECTURE POINT BREAKDOWN</th>
<th>LAB POINT BREAKDOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm: 50 pts</td>
<td>Lab Midterm: 25 pts</td>
</tr>
<tr>
<td>Final Exam: 50 pts</td>
<td>Lab Final: 25 pts</td>
</tr>
<tr>
<td>Quizzes: 60 pts</td>
<td>Osmoreg. Paper Draft: 25 pts</td>
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<tr>
<td>TOTAL PTS: 160 pts</td>
<td>Osmoreg. Paper Final: 40 pts</td>
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<td>Osmoreg. Peer Review: 20 pts</td>
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<td></td>
<td>Lab participation: 10 pts</td>
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<td>TOTAL: 125 pts</td>
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**LECTURE POINTS:**

- **Quizzes:** There will be a total of eight quizzes given throughout the quarter but the scores for six will count (see lecture schedule on pg. 4 for specific quiz dates). Each quiz is worth 10 pts but your lowest two quiz scores will be dropped. So your quizzes will ultimately account for a total of 60 potential pts. If you miss a quiz, you will be assigned a "0" for that quiz and that score will serve as your lowest quiz score.

  Quizzes will be given at the beginning of class on Fridays, will be in multiple choice format, and will involve material covered since the previous quiz.

  **NOTE: Students not present by the time the last quiz is given out will not be allowed to take the quiz. There are NO MAKEUPS for quizzes.**

- **Exams:** Because of the size of the class, both the midterm and final exams will primarily consist of multiple choice questions. However, it is possible that other question formats including matching, fill-in-the-blanks, definitions and especially short/long essays. The dates of the exams are listed on the schedule on pg. 4. **THERE WILL BE NO MAKEUPS FOR EITHER THE MIDTERM OR THE FINAL EXAM!** If you miss an exam, you will receive a "0" for that exam.

**LABORATORY RESPONSIBILITIES:**

Your performance in lab will be worth 40% (120 pts) of your total course grade. For more information regarding the assignments and point breakdown for your lab grade, please refer to the lab syllabus.

**NOTE: I DO NOT CURVE** in this course. As a result, your grade does not depend on how well your fellow classmates do but on what you, yourself, earn on the assignments. Final course grades will be assigned according to the following guidelines:

<table>
<thead>
<tr>
<th></th>
<th>A = 93-100</th>
<th>A- = 90-92.9%</th>
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</thead>
<tbody>
<tr>
<td>B+</td>
<td>87-89.9%</td>
<td>B = 83-86.9%</td>
</tr>
<tr>
<td>C+</td>
<td>77-79.9%</td>
<td>C = 73-76.9%</td>
</tr>
<tr>
<td>D+</td>
<td>67-69.9%</td>
<td>D = 60-66.9%</td>
</tr>
<tr>
<td>Below 60%</td>
<td>F</td>
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</table>

Credit = C- or better; No Credit = less than a C-
If you want to chart your progress as the quarter progresses, you may use the following formula to determine the % of course points you have earned at any given time:

\[
\frac{\text{# of points received}}{\text{total # points potentially earned}} \times 100\%
\]

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**IMPORTANT NOTES REGARDING THE COURSE**

1) I have a **No-Tolerance** policy for cheating, plagiarizing or other forms of academic dishonesty. If I discover evidence of academic dishonesty, I will assign you an “F” (i.e., 0 pts) for that assignment/exam. Furthermore, additional punitive action such as academic record notation (lasting for five years or until you graduate), suspension, or expulsion may be taken by the Student Disciplinary Officer and the Office of the Vice President of Student Affairs. For more information regarding forms of academic honesty and/or the University’s (and thus my) policies and procedures regarding this issue, you can check out the online catalog at:

http://www.csueastbay.edu/ecat/current/i-120grading.html#section12

2) My personal lecture notes are **NOT** available for purposes of copying. If you miss a lecture period and want to get a copy of the notes for that day, you need to make other arrangements (i.e., ask a fellow classmate).

3) To ensure you and the other students in the course have the most productive experience during class, I request that you adhere to the following:
   a) Your cell phones must be turned off/turned on silent upon entering the classroom! Talking on your phone and texting during class will not be tolerated. If you must be available via cell phone for potential emergencies, set your phone to vibrate mode.
   b) **NO** cell phones or ear phones of ANY kind will be allowed during exams!
   c) Please be considerate of your neighbors and avoid distractions such as carrying on conversations or entering and exiting during lectures.

4) To request disability accommodations, please make an appointment to speak with me early in the quarter.

5) If you are having difficulties in the course, and would like assistance reviewing concepts, tips on how to better prepare for exams, etc., do not hesitate to visit me during office hours or set up an appointment with me. Note: There are **NO** extra credit assignments.

6) This course covers a lot of material. In order to pass the course, you will need to devote a lot of time to it on a regular basis, starting with attending lectures and labs as scheduled, completing the required assignments on time and preparing well for your quizzes, lecture exams and lab tests. There are some additional strategies that might help. I have provided some examples for you on Blackboard.
<table>
<thead>
<tr>
<th>Week:</th>
<th>Date:</th>
<th>Topic(s):</th>
<th>Text Readings:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Introduction to the Course</td>
<td>Module 4</td>
</tr>
<tr>
<td>Wk 0</td>
<td>9/26</td>
<td>The Scientific Method</td>
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<td></td>
<td>9/28</td>
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<tr>
<td>Wk 1</td>
<td>10/1</td>
<td>What is Biology? The Protists</td>
<td>Modules 3; 87-89</td>
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<tr>
<td></td>
<td>10/3</td>
<td>Brief Look at Evolution, Natural Selection and Biological Classification</td>
<td>Modules 1; 102 (pg. 512)</td>
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<td></td>
<td>10/5*</td>
<td></td>
<td>Module 101; 103 (516)</td>
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<td></td>
<td>10/8</td>
<td></td>
<td>Module 103 (p. 519); 129</td>
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<tr>
<td>Wk 2</td>
<td>10/10</td>
<td>Brief Intro to Animal Systems; (Osmoregulation)</td>
<td>Module 126-127; 157</td>
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<td></td>
<td>10/12*</td>
<td>Phylum Porifera; Evolution of Tissues, Skeletons</td>
<td>Module 102; 103 (pp. 518)</td>
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<td></td>
<td>10/12*</td>
<td>Phylum Cnidaria (Jellies, sea anemones, corals, etc.); Evolution of the Centralized Nervous System</td>
<td>Module 103 (p. 519); 129</td>
</tr>
<tr>
<td></td>
<td>10/15</td>
<td>Evolution of Organs, the Excretory System</td>
<td>Module 126, 158</td>
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<tr>
<td>Wk 3</td>
<td>10/17</td>
<td>Evolution of the Complete Digestive System</td>
<td>Modules 146-148</td>
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<tr>
<td></td>
<td>10/19*</td>
<td>Phylum Platyhelminthes (the Flatworms)</td>
<td>Module 104</td>
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<tr>
<td></td>
<td>10/22</td>
<td>Evolution of Segmentation, Circulatory Systems</td>
<td>Module 104, 151</td>
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<tr>
<td>Wk 4</td>
<td>10/24</td>
<td>Circulatory Systems cont’d; Phylum Annelida</td>
<td>Module 151</td>
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<tr>
<td></td>
<td>10/26*</td>
<td>(Earthworms, lugworms, etc.)</td>
<td>TBA</td>
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<td></td>
<td>10/29</td>
<td>Evolution of the Respiratory System</td>
<td>Module 155</td>
</tr>
<tr>
<td>Wk 5</td>
<td>10/31</td>
<td>Phylum Mollusca (Clams, Snails, Squid, etc)</td>
<td>Module 104</td>
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<tr>
<td></td>
<td>11/2</td>
<td>MIDTERM EXAM</td>
<td></td>
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<tr>
<td></td>
<td>11/5</td>
<td>Arthropds (Crabs, shrimp, insects, spiders, etc)</td>
<td>Module 105</td>
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<tr>
<td>Wk 6</td>
<td>11/7</td>
<td>Phylum Echinodermata (Sea stars, sea urchins, etc.)</td>
<td>Module 106</td>
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<tr>
<td></td>
<td>11/9*</td>
<td>Phylum Chordata; Invertebrate Chordates</td>
<td>Module 106</td>
</tr>
<tr>
<td>Wk 7</td>
<td>11/12</td>
<td>Veteran’s Day – NO CLASS</td>
<td>Module 107</td>
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<td></td>
<td>11/14</td>
<td>Introduction to the Vertebrates; Jawless Verts.</td>
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<td></td>
<td>11/16*</td>
<td>Evolution of Jaws, Backbone, Vert. Skeleton</td>
<td>Module 108</td>
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<tr>
<td></td>
<td>11/16*</td>
<td>Cartilaginous and Bony Fishes</td>
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<tr>
<td>Wk 8</td>
<td>11/19</td>
<td>Tetrapod Evolution, Class Amphibia (Frogs, etc.)</td>
<td>Module 109</td>
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<tr>
<td></td>
<td>11/21</td>
<td>The Amniotes; Classes Reptilia (Lizards, snakes, etc.) and Class Aves (Feathered Reptiles)</td>
<td>Module 110</td>
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<tr>
<td></td>
<td>11/23</td>
<td>Thanksgiving Break - NO CLASS</td>
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<tr>
<td>Wk 9</td>
<td>11/26</td>
<td>Class Mammalia (Dogs, Cats, Horses, Rodents, etc.)</td>
<td>Module 111</td>
</tr>
<tr>
<td></td>
<td>11/28</td>
<td>Dr. Wildy needs to catch up!</td>
<td>Module 176, 181</td>
</tr>
<tr>
<td></td>
<td>11/30*</td>
<td>Introduction to Ecology; Population Ecology</td>
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<tr>
<td>Wk 10</td>
<td>12/3</td>
<td>Community Ecology</td>
<td>Module 185-187</td>
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<tr>
<td></td>
<td>12/5</td>
<td>Ecosystem/Global Ecology</td>
<td>Module 190-191, 193</td>
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<tr>
<td></td>
<td>12/7*</td>
<td>Catch up/Review</td>
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</tbody>
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*************** FINAL EXAM: DECEMBER 12th (Wednesday) - 12:00 - 1:50p***************

* Dates of quizzes. Quizzes will be given at the beginning of the lecture period.