

**Valdosta State University**  
**Biological Evolution and Diversity – BIO 1010 Section C**  
**CRN: 21118**  
**TR- 8-9:15 AM**  
**Bailey Center 3009**

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**Course Description:** An introduction to modern biology for the non-major with special emphasis on the relationships between organisms and their evolutionary ties.

-Co-requisite BIOL 1020L

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**Prerequisites:** NA  
**Spring 2011**

**Professor:** Dr. Matthew Waters

**Office Location:** Bailey 1106

**Office Hours:** 10-1:30 Tuesday and Thursday. These are my officially scheduled office hours; however, you may stop by my office **at any time**; if I'm there, I will be happy to talk with you. If I am not in my office during office hours, check my lab in Bailey 1055 down the hallway across from my office.

**Office Phone:** 333-5760 (If I'm not there, please leave a message)

**Email:** mwaters@valdosta.edu

The best method of contact me tends to be through **e-mail**; however, if I do not respond, it is your responsibility to make sure that I have any needed information.

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**Textbook:** : Biology: Concepts and Investigations. Mariëlle Hoefnagels – 1st ed.

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**STUDENT EVALUATION:** Your grade will be determined by your performance on (1) Four lecture exams and one comprehensive final exam, (2) as well as, (3) periodic quizzes.

- (1) Each of the four **lecture exams\*** will consist of multiple choice, short answer and/or diagrams to be labeled. Questions will come from both the reading material and the lecture material. Each lecture exam will count 100 points, for a total of 400 exam points.
- (2) The **final exam\*** will be comprehensive in nature and consist entirely of multiple choice questions. Approximately one half of the exam will be vocabulary while the other half will consist of short answer, labeling and calculations similar to the previous tests. The final exam will weigh more heavily than the lecture exams, at 200 points.
- (3) **Quizzes** will be given 14 times during the semester when tests are not scheduled. The quizzes will cover reading material and lecture notes. Quizzes may be given on any time of the week, so keep up with the required reading and reviewing of class notes. There will be 14 quizzes, each quiz will be worth 10 points, only 10 will count toward the total of 100 possible points. I will drop your lowest 4 quiz grades. You may **not** make-up missed quizzes, missed quizzes will count toward the 4 possible dropped scores.

**GRADING POLICY:**

Lecture exams	100 points X 4 exams	400 points
Quizzes	10 points X 10 quizzes	100 points
Final Exam	200 points	<u>200 points</u>
TOTAL Grade		700 points

## FINAL COURSE GRADE

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**Grading Scale:** A = 89.5 – 100%  
B = 79.5 – 89.49%  
C = 69.5 – 79.49%  
D = 59.5 – 69.49%  
F = < 59.49%

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### ATTENDANCE POLICY:

- At VSU, attendance is mandatory for at least 80% of the classes. If you miss over 20% of the classes, I reserve the right to remove you with a failing grade.
- If you miss class, see a classmate for what you missed.
- Missed assignments
  - Quizzes *will not* be made up after class

### MISSED TESTS:

**Missing an exam is strongly discouraged. An essay or an oral make-up test will be given at the professor's discretion.**

If you must miss an exam, you must have a valid excuse and notify me **prior** to the scheduled exam. If you miss an exam, it is solely your responsibility to make arrangements for a make-up exam. You must notify me of any missed exams **immediately (within 24 hours)** and make arrangements within **three (3) business** days to take a make-up. If you have not contacted me within 24 hours of missing the exam you will receive a 0% for that exam. All make-ups will be given at a time convenient to both the instructor and student.

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### GENERAL EDUCATION OUTCOMES

- VSU General Education Outcomes are explained in more detail on the web.  
[www.valdosta.edu/academic/VSUGeneralEducationOutcomes.shtml](http://www.valdosta.edu/academic/VSUGeneralEducationOutcomes.shtml)

### COURSE OBJECTIVES:

- Students will gain knowledge of the diversity of biological organisms within the 3 domains
- Students will leave the course with a refreshed view of biology, not just as material, but as a function of their everyday lives.
- Students will be able to make informed decisions about issues by looking at both sides of the issue
- General Education Outcomes: 2, 5, 7

### BEHAVIOR:

- You are in college therefore you will be treated as an adult. Reminder that someone is paying for you to be here, refrain from talking and disrupting those who want to learn. **CELL PHONES MUST BE TURNED OFF!** Classes are short; you can go that time without phone calls and text messaging. If you are expecting an important call please let the instructor know before class and you will be allowed to leave class to answer your call, but your phone must be on vibrate. If you talk on your phone in class you will be asked to leave.
- No IPODS! If you would rather listen to your IPod then you should not be in class.
- If you must use a laptop, then I require you sit in the first three rows.
- Any student that disrupts the class will be removed from the class and possibly dropped from the course. Refer to the Undergraduate Catalog for more information.

\*\*\*\*\*Failure to follow the above will result in the quizzes mentioned above being pop quizzes instead of announced.

### ACADEMIC HONESTY:

Refer to VSU Student Code of Conduct, Appendix A in the VSU student handbook or <http://www.valdosta.edu/stulife/handbook/> A dishonest student will receive a failing grade on the exam or assignment.

**ADA POLICY:**

Students requiring classroom accommodations or modifications because of a documented disability should discuss this need with the instructor at the beginning of the semester. Students not registered with the Special Services Program, should contact the Special Service Office, Nevins Hall 1115 (245-2498)

**WITHDRAWAL FROM COURSE:**

Students are advised to consult the VSU Undergraduate Bulletin and the VSU Spring 2011 Schedule of classes for information about VSU policies and procedures. *Last day to withdraw is March 1, 2011.* Please note that it is very difficult to withdraw after the midterm.

**FEDERAL PRIVACY ACT:**

It is illegal to release personal information about an individual to others. Therefore grades, averages, and other personal information about any person will not be released to another person or over email.

**REQUIRED READING**

Reading from your text book is required. Only read the sections that correlate with the subject matter covered in lecture. Questions on the test may come from the text.

**Informal things that you need to have in print to believe**

1. Treat biology like a foreign language. The vocabulary is completely different than any other subject. To be able to speak the language, you must first learn the vocabulary and THEN learn how to speak. In the same way, understanding biology is a two-step process. First, learn the vocabulary and then learn how the words are used to form the major concepts of biology. Only memorizing words will most likely get you a C or D in the class at best.
2. Only follow the sections of the book that I lecture on. You will not be tested on the sections that I skip.
3. Stay up with the material. We take copious amounts of notes in this class. Missing classes generally means missing pages and pages of notes. The best way to succeed in this class is to come to class and review your notes every few days.
4. I do not have your grades calculated at all times. If you email me about your grade, then I will get out a calculator, write down your grades, add them up and divide by the maximum number of points. Please do this yourself it at all possible. I appreciate students who want to keep up with where they are, but please attempt it yourself.
5. Do not challenge the cell phone or make up test policies above.

***Tentative Schedule***  
**Biology 1010 C**

Chapter	Topic ( <i>Tentative</i> )	Number of Lectures
1	Intro to Biology	1
13	Natural selection/microevolution	2
14	Species/macroevolution	2
15	Evolutionary evidence	1
16	Origins and geologic time	1
<b>*****EXAM 1 *****</b>		
17	Viruses	1
18	Bacteria	2
19	Protists	1
20	Plants	2-3
<b>*****EXAM 2 *****</b>		
21	Fungi	1
22	Invertebrates	2
23	Vertebrates	2-3
<b>*****EXAM 3 *****</b>		
39	Population Ecology	1-2
40	Community Ecology	1-2
41	Biomes and Climate Change	2
42	Conservation	1
<b>*****EXAM 4 *****</b>		