

## **BIOLOGY 3: Introduction to Life Science**

**Summer 2012**

Instructor: Mr. Bryon P. Spicci

Office Hours: By Appointment Only

Phone: 559-824-2006 (cell) I prefer to be contacted via email or call my cell phone.

Email: [bryon.spicci@reedleycollege.edu](mailto:bryon.spicci@reedleycollege.edu) or [quizzler2@gmail.com](mailto:quizzler2@gmail.com)

Class Meetings: M – Th. from 9:00 am-12:25 pm from 6/18/12 – 7/26/12.

### **I. COURSE DESCRIPTION**

**A. Title:** Biology 3 – Natural History Approach to Biology

**B. Prerequisite:** Eligibility for English 125 and 126.

**C. Summary:** This course is recommended for the non-biological science and pre-education majors. This is an introductory course using biological concepts. The organismal structure, function, inheritance, evolution, and ecology are covered. Field trips may be required. Basic Skills Advisories: Eligibility for English 125 and 126. (A, CSU-GE, UC, I).

### **II. COURSE OBJECTIVES**

- A. Students will read, analyze, evaluate, and discuss the Scientific Method, Microscopy, the cell, and levels of organization.
- B. Students will learn the periodic table of the elements and chemistry of the carbon atom and chemical structure of living organisms.
- C. Students will read appropriate scientific literature on classification.
- D. Students will learn the cell's structure, function, and organization of living organisms.
- E. Students will observe and document the structure and function of the human body by examining the organ systems: reproduction, respiration, circulation, excretion, and digestion.
- F. Students will review classical and molecular genetics and learn the process of replication, transcription and translation.
- G. Students will perform experiments, observe, and record data.
- H. Students will learn plant structure, physiology, and interaction including photosynthesis and aerobic respiration.
- I. Students will study evolution.
- J. Students will observe chemical and energy relationships.

### **III. REQUIRED MATERIALS:**

- 1. Text: Mader, S. Essentials of Biology, custom, 2nd edition McGraw Hill.
- 2. Scantron form 882 (X6), Scantron forms 815-E for the lecture quizzes.
- 3. E-mail address.

### **IV. OPTIONAL, BUT RECOMMENDED:**

- 1. Colored pencils (hard graphite) (no flow pens or crayons)
- 2. Basic calculator with a square root key.

### **V. NO FOOD, BEVERAGE, CELLULAR PHONES, DISRUPTIONS OR PROFANITY AT ANY TIME!!!**

**Hint!! Be sure to always put your name on all papers to insure you will not get 5 points deducted!  
Thanks!!**

## VI. ATTENDANCE:

You are expected to be on time for each laboratory and lecture session. Tardiness may be construed as an absence from the class. It is the student's responsibility to see the instructor after class to be sure that an absence has been changed to a tardy! Be aware that 3 tardies = 1 absence. This is very important because **if you miss more hours than 5 hours of class or lab, you will be dropped** unless your instructor has been informed of the extenuating circumstances causing your absences. There are no make ups on quizzes, tests or labs due to absences. Also you have to be present at a lab session in order to complete the lab report and receive credit for it.

## VII. TESTS AND EVALUATIONS:

A. Grading (Note that this is an approximation)

Description	Points Possible
Lab Exercises (approx. 14 @ 20 pts)	280
10 Lecture Quizzes (10 @ 15 pts. each)	150
10 Lab Quizzes @ 10 pts	100
Unannounced Pop Quizzes (10 @ 10 pts each)	100
5 Exams (100 pts. each) lowest score dropped	400
<b>Approximate Total Points</b>	<b>= 1030</b>

**\*\* I reserve the right to make changes in this syllabus with notification \*\***

B. In *most* circumstances the curve for the class is taken from the top grade in the class as long as the top grade is 90% or more from the points possible.

(From the top grade)

90% = A 80% = B 70% = C 60% = D 59% and below = F

*At any point you can check your grades on web grade via our Blackboard site: <http://blackboard.reedleycollege.edu> go to the web grade section and click on 'web grade' to view your grades. You are encouraged to check this site regularly and keep track of your own grades! Your Blackboard username and password is your 7 digit student ID number. Your web grade password will be emailed to you by your teacher. Additionally, all handouts and class notes for our class will be available on this site.*

C. *Exams* will consist of multiple choices, true/false and matching questions, **all exams will be closed book and no notes. No cell phones are permitted to be out during an exam or a quiz. If you are caught with a cell phone it is an automatic zero on the assignment and you will be considered to be in violation of the Reedley College Academic Dishonesty policy.**

D. *Lab Exercises Grades* will come from your lab work itself. These are to have the answers to laboratory questions on handouts or from your lab guide as well as any problems to work or tables to fill in. Be sure these are neatly done and in the same order as the handouts. Forgotten lab work means no score – as you are responsible for your work. **Policy for missed labs:** If a lab is missed you will not be allowed to make it up. Attending the lab is mandatory. No points

will be given for lab work if you were not present during the lab meeting. Late lab work is not accepted.

E. *Lecture Quizzes and Lab Quizzes* will consist of questions concerning the previous lectures/lab and/or the current day's lecture/lab. These quizzes are closed book and no notes only. Quizzes missed due to **tardies may NOT be made up**. Quizzes may also be given at the **end of a laboratory or lecture**. **No cell phones are permitted to be out during any quiz or exam.**

F. **Attendance pop quizzes** may also be given at any time either at the beginning, during or at the end of class. You need to be in class at your seat ready to start work when those are given.

**Extra Credit:** There is none!!! Do not ask for any!!!!!!!!!!!!!!

#### **IV. Help:**

If you should have difficulty grasping the material presented during the course, be sure to see your instructor at the first sign of trouble. Often, a few minutes can clear up many problems! If you are having trouble studying, perhaps you need a few study hints or a tutor at the Tutorial Center. Please come in for help! Always keep in mind that this is a four-unit course. As a general rule, each hour of lecture requires two hours of additional study outside of the classroom each week. Each hour of lab requires one hour of study time, outside the laboratory each week. This equals eight hours of study each week in order to pass this class. Do your planning accordingly. Success comes before work only in the dictionary. Overall, I hope you have a fun semester and learn Biology along the way. Good Luck.

#### **X. Academic Dishonesty**

Academic dishonesty is unacceptable and will not be tolerated by Reedley College. Cheating, plagiarism and collusion in dishonest activities erode the college's educational and social role in the community. You are required to sign an academic dishonesty form stipulating that you are aware of the college's policy on cheating and plagiarism and that you agree that your work is your own and no one else's.

**Cheating** is the act of deception by which a student misleadingly demonstrates that he/she has mastered information on an academic exercise. Examples include but are not limited to:

1. Copying or allowing another to copy a test, paper, project, or performance.
2. Using unauthorized materials during a test, for example, notes, formula lists, or "cheat sheets."
3. Taking a test for someone else or permitting someone to take a test for you.
4. Using a cell phone for any reason during a quiz or a test.

**Plagiarism** is the act of representing the work of another as one's own without giving credit. Plagiarism includes but is not limited to:

1. Incorporating the ideas or words of another's work without giving appropriate credit.
2. Representing another's artistic or scholarly works, such as musical compositions, computer programs, photographs, etc., as one's own.

**Disciplinary Procedures** are outlined in your Reedley College student catalog and are summarized as follows when a faculty member discovers a violation:

1. Conference with student to address allegations
2. Notification of division dean, report for permanent record of student.
3. May give student "F" for assignment or course.
4. If more than one infraction has occurred, the student may go on probation, be suspended, or expelled.

An appeal may be made within 15 days of notification.

**This syllabus should not be construed to be a legal contract between the student and instructor, nor the student and the college. It is only an informal document explaining how the course will be conducted. The instructor reserves the right to make changes to this syllabus at any time with notification to the class.**