

# BRAZOSPORT COLLEGE

## SYLLABUS

For

### GENERAL BIOLOGY I: BIOL 1306

#### Instructor Information:

Instructor: Dr. Clifford C. O'Neal

Office: HS-225L

Office Phone: (979) 230-3457

Email: [Cliff.ONeal@brazosport.edu](mailto:Cliff.ONeal@brazosport.edu)

Office Hours: MW: 1:30-3; 4:30-5:15 PM

TR: 11– 12:15 PM

By appointment as needed

#### Course Description:

General Biology I is a survey of the fundamental principles of living organisms including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of reproduction, genetics, ecology, and the scientific method are also included.

#### Course Goals:

1. Understand and apply methods and appropriate technology to the study of natural sciences.
2. Recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings,
3. Identify and recognize the differences among competing scientific theories..
4. Demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
5. Demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

#### Materials Required:

**Lecture:** Campbell Biology, 10<sup>th</sup> ed: Reece, Urry, Cain, Wasserman, Minorsky, & Jackson. ISBN: 0321775651

Required course materials are available at the Brazosport College bookstore, on campus or online at <http://www.brazosport.edu/bookstore>. A student of this institution is not under any obligation to purchase a textbook from the college bookstore. The same textbook is/may also be available from an independent retailer, including an online retailer.

**Students with Disabilities:**

BC is committed to providing equal education opportunities to every student. BC offers services for individuals with special needs and capabilities including counseling, tutoring, equipment, and software to assist students with special needs. Please contact Phil Robertson, Special Populations Counselor, (979) 230-3236 for further information.

**Academic Honesty:**

Brazosport College assumes that students eligible to perform on the college level are familiar with the ordinary rules governing proper conduct including academic honesty. The principle of academic honesty is that all work presented by you is yours alone. Academic dishonesty including, but not limited to, cheating, plagiarism, and collusion shall be treated appropriately. Please refer to the Brazosport College Student Guide for more information. This is available online at <http://www.brazosport.edu>. Click on the CATALOGS AND SCHEDULES link under STUDENTS.

Academic dishonesty violates both the policies of this course and the Student Code of Conduct. In this class, any occurrence of academic dishonesty will be referred to the Dean of Student Services for prompt adjudication, and will be subject to disciplinary action ranging from withdrawal from the course, up to receiving an “F” in the course. Sanctions may be imposed beyond your grade in this course by the Dean of Student Services. If you are having trouble understanding any concepts or assignments please **come to talk to me before your resort to cheating or colluding.**

**Attendance and Withdrawal Policy:**

Attendance to all classes is mandatory. Please notify me in advance if you anticipate an absence. You are responsible for initiating the withdrawal process from the course if you miss too many classes to pass this course.

**Course Requirements, Grading Policy and Testing:**

**Grading:** Your course grade will be determined by adding the points earned in lecture. There are 700 possible points available in lecture.

There are 4 lecture exams worth 100 points each for a total of 400 points. Lecture exams will consist of multiple choice and/or short essay questions. A **mandatory final exam** worth 100 points will be given at the end of the semester. A student that completes all four exams and the final exam will be allowed to drop the lowest exam score from the first four exams (excluding the final exam). **NO make-up exams will be given. Any student that is late 10 minutes or more for an exam will not be able to take that exam.** In addition to the exams, there will be assignments worth a total of 100 points given throughout the semester, a literature review paper (100 points), and a class presentation project (100 points).

The grading scale will be as follows:

% OF POINTS EARNED	GRADE
90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

**Make-up Policy:**

As stated in the previous section, there are NO make-up exams. Those students who miss an exam take a **COMPREHENSIVE FINAL EXAM** given during finals week.

**Student Responsibilities:**

Students are expected to fully participate in the course. The following criteria are intended to assist you in being successful in this course.

1. Time Management
2. Understanding the Syllabus Requirements
3. Utilizing Online Components (such as WebCT/BlackBoard and Mastering Biology)
4. Communicating with the Instructor
5. Completing Course Work

**Student Services Provided by the College:**

Information about the BC Library is available at:

<http://www.brazosport.edu/~lib/Information.htm>. or by calling 3310.

Tutoring for Math, Reading, Writing, Biology, Chemistry, and other subjects is available in the LAC, 230-3253.

To contact the Math/Science Department call (979) 230-3225.

The Student Services area provides the following services Counseling and Advising, 230-3040; Financial Aid, 3294; and Student Activities, 3355.

**Miscellaneous:**

**Cell Phones:** Cell phones must be turned off before entering the classroom – lecture and labs. **No cell phones or PDAs are allowed on your person during exams.** You will be asked to place all items, including books, papers, cell phones and PDAs at the front of the room before taking lecture tests. If you do not want to place your items at the front of the classroom unattended, please leave them in your car/home on test days. **Any student that is late 10 minutes or more for an exam will not be able to take that exam.**

**EXTRA CREDIT:** There will be **NO EXTRA CREDIT** offered during the semester.

# GENERAL BIOLOGY I

## TENTATIVE SCHEDULE (FALL 2015 TR)

Week #/ Beginning date	Lecture topic	Other	Reading Assignment
1 8/24/15	Evolution, Themes of Biology The Chemical Context of Life		Chapter 1  Chapter 2
2 8/31/15	Water and Life Carbon and the Molecular Diversity of Life		Chapter 3 Chapter 4
3 9/07/15	Large Biological Molecules	<b>Labor Day (9/7/15)</b>	Chapter 5
4 9/14/15	Biological Membranes con't.		Chapter 5
<b>9/17/15</b>		<b>Exam #1 (Ch 1 - 4)</b>	
5 9/21/15	Membrane Structure and Function		Chapter 7
6 9/28/15	Cellular Respiration & Fermentation		Chapter 9
7 10/05/15	Photosynthesis	<b>Literature Review Rough Draft Due</b>	Chapter 10
8 10/12/15	Cell Communication		Chapter 11
<b>10/15/15</b>		<b>Exam #2 (Ch 5, 7, 9, 10)</b>	
9 10/19/15	The Cell Cycle Meiosis and Sexual Life Cycles		Chapter 12 Chapter 13
10 10/26/15	Molecular Basis of Inheritance		Chapter 16
<b>10/29/15</b>		<b>Exam #3 (Ch 11, 12, 13)</b>	
<b>10/30/15</b>		<b>Last Day to Drop</b>	
11 11/02/15	From Gene to Protein		Chapter 17
12 11/09/15	Regulation of Gene Expression		Chapter 18
<b>11/17/15</b>		<b>Exam #4 (Ch 16, 17, 18)</b>	
13 11/18/15	Presentations	<b>Literature Review Due</b>	
14 11/23/15	Presentations		
<b>11/24/15</b>	<b>Thanksgiving Holiday</b>	<b>College closes 11/24 @ 12:00 p.m.</b>	
15 11/30/15	Presentations		
<b>16 12/07/15</b>	<b>Final Examinations</b>	<b>TBD</b>	

Please read my syllabus carefully and then complete the following:

Name: \_\_\_\_\_

Current Email address (the one you actually check): \_\_\_\_\_

(I need this to communicate with you and the class as a whole when the course website is not functional)

Please take a few minutes and answer the following questions

1. How many Biology-related courses have you had previous to this one? What did you like or dislike about them?

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2. What is your “comfort level” for this class? \_\_\_\_\_

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3. Do you have any concerns about this class or what might be expected of you? \_\_\_\_\_

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4. What do you think will be the most difficult part of this class for you? \_\_\_\_\_

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5. Is there anything else that you think is important for me to know about you? \_\_\_\_\_

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Please sign and date indicating that you have read the syllabus and that you understand the requirements for Biology 1306 offered by Dr. O’Neal:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

