

# Syllabus

## BIOL 1406 – Honors Section

**Instructor contact information** Instructor: Rocky Ward, Ph.D.  
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Office: ANS 343 (Lab ANS 317)  
Office Phone: 806-651-2283  
Office Hours: MW 7:00-7:30, 8:45-10:45, 3:00-4:00; TTh 8:00-10:30

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### ***Texts and other materials***

**Required Texts:** 'Biology Concepts & Connections' 6<sup>th</sup> ed. Campbell, et al.  
**Other required materials (software, other readings, etc):**  
As assigned.

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### ***Course description***

BIOL 1406 introduces students to the fundamentals of the life sciences. Emphasis will be placed on acquiring the knowledge necessary to understand biology as a science. Anatomy, physiology, and genetics will receive special attention, with the hope that the knowledge gained in this course will be useful to the student in his/her everyday life.

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### ***Objectives/Student Learning Outcomes***

***Students in Biol 1406 will be able to:***

- Understand basic terminology and concepts of science.
  - Appreciate the place of biology among the sciences.
  - Understand the place of humans among other organisms.
  - Understand the genetic mechanisms that determine heredity and gene expression.
  - Understand the structure and function of the various organ systems.
  - Understand the various dysfunctions, abnormalities, and diseases associated with the human body.
  - Understand the evolutionary history of man and man's anatomical structures and functions.
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### ***Course Requirements and Evaluation***

Grades will be based on the percentage of possible points earned. Points can be earned for 4 exams (including a final which is not comprehensive) and for quizzes. Exams are worth 100 points, quizzes are worth 10 points. There will be a minimum of 3 quizzes. Quizzes will not be announced in advance

If you miss an exam you may make it up. You must make up a missed exam before the next scheduled exam. Missed quizzes may only be made up if you have a written excuse from a health care provider stating you were too sick to attend class or from a WT faculty member stating you missed class for a legitimate academic or athletic reason.

Your final grade will be based on your lecture grade (75%) and your lab grade (25%).

**Grade Scale:**

A = 89.5-100%  
B = 79.5- 89.4%  
C = 69.5 - 79.4%  
D = 59.5 – 69.4  
F = 0 – 59.4

**Exam Dates:**

Exam 1 – Tuesday 20 September  
Exam 2 - Thursday 13 October  
Exam 3 - Tuesday 22 November  
Final Exam – On date and time set by university

**THERE IS NO EXTRA CREDIT! Don't ask!**

Honors sections are expected to go above and beyond the normal requirements of the course. Each honors student is expected to take part in at least one of the following during the semester:

Field experiences (2 of possible 3)  
Class presentation on subject pertinent to BIOL 1406  
Poster on subject pertinent to BIOL 1406

Honors students are expected to meet with the course instructor once each week for a few minutes after class. These meetings will be announced in class.

***Policies and Responsibilities***

• **Attendance Policy**

You are expected to attend every lecture. In past sections of BIOL 1406 the correlation between attendance and final grade was approximately .93. In other words, students who missed a significant number of classes made poor grades. Attendance will be taken daily for analysis.

However, your grade is not based on your attendance. Act intelligently. Show up, take notes, study, and make a good grade.

- **Behavior**

Please be considerate of your fellow students, disruptive behavior such as talking, using cell phones, leaving class, passing notes, etc. **WILL NOT** be tolerated during lecture. If students engage in this behavior, they will be assigned a seat at the front of the classroom. If the disruptive behavior continues the student will be removed from the classroom.

### **Academic Integrity**

All work must be completed individually unless otherwise stated. Commission of any of the following acts shall constitute scholastic dishonesty: acquiring or providing information for any assigned work or examination from any unauthorized source; informing any person or persons of the contents of any examination prior to the time the exam is given in any subsequent sections of the course or as a makeup; plagiarism; submission of a paper or project that is substantially the same for two courses unless expressly authorized by the instructor to do so. For more information, see the Student Code of Life at <http://www.wtamu.edu/webres/File/Student%20Life/WEB2010-2011CodeOL.pdf>

### **Acceptable Student Behavior**

Classroom behavior should not interfere with the instructor's ability to conduct the class or the ability of other students to learn from the instructional program (*Code of Student Life*). Unacceptable or disruptive behavior will not be tolerated. Students engaging in unacceptable behavior may be instructed to leave the classroom. Inappropriate behavior may result in disciplinary action or referral to the University's Behavioral Intervention Team. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc.

### **ADA statement:**

West Texas A&M University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to register with Student Disability Services (SDS) and to contact faculty members in a timely fashion to arrange for suitable accommodations. Contact Information: Student Success Center, CC 106; [www.wtamu.edu/disability](http://www.wtamu.edu/disability); phone 806-651-2335.

**Evacuation Statement** If you receive notice to evacuate the building, please evacuate promptly but in an orderly manner. Evacuation routes are posted in various locations indicating all exits, outside assemble area, location of fire extinguishers, fire alarm pull stations and emergency telephone numbers (651.5000or 911). In the event an evacuation is necessary: evacuate immediately do not use elevators; take all personal

belongings with you; report to outside assembly area and wait for further information; students needing assistance in the evacuation process should bring this to the attention of the instructor at the beginning of the semester.

### **Chemical and Equipment Safety Statement**

Safety is everyone's responsibility. Material Safety Data Sheets (MSDSs) are provided for all chemicals used in this class. MSDSs provide information about physical properties, health risks, fire explosion data, and other important information associated with these chemicals. Before handling or using a chemical, you should refer to the MSDS for that chemical. It is your responsibility to inform the instructor in writing of any health conditions that may prevent you from safely using a chemical (pregnancy, auto immune deficiency, etc.). It is also the responsibility of the student to report any spill or problems found while storing or using a chemical. If you are unsure about a chemical, always ask. If you see any unsafe condition, notify your instructor immediately. If you are unsure about the proper and safe operation of any piece of equipment, ask your instructor for proper instruction. All injuries, spill of materials and unsafe conditions must be reported to the instructor immediately.

### **Tentative schedule of readings and topics.**

<b>Chapter</b>	<b>Topic/Due Dates</b>
-	Science
1	Biology
2	Biochemistry
3	Molecules
4	Cell Structure
5	Cell Function
7	Photosynthesis
7	Photosynthesis
6	Respiration
6	Respiration
8	Basic Genetics
8	Mitosis
20	Anatomy & Physiology
21	Digestion
21	Digestion
22	Gas Exchange
22	Gas Exchange
23	Circulation
23	Circulation
24	Immune System
24	Immune System
25	Homeostasis
26	Endocrine System
26	Endocrine System

***Tips for doing well in this course***

Come to class.

Read the chapters ahead of time.

Study.

Find out what 'studying' really is (i.e., you ain't in high school anymore).

See me if a problem arises.

Did I mention 'come to class'?

SAMPLE