



**Utah State University**  
BRIGHAM CITY REGIONAL CAMPUS

## **BIOL 1610: Biology I, Fall 2017**

### **Course Description**

Welcome! Biology 1610 covers biochemistry, cell biology, genetics, and plant biology. It is the first course in a two-semester core biology sequence that covers topics essential to advanced study in biology and related fields.

### **Course Objectives**

In this course, you will:

- gain **factual knowledge** (terminology, classifications, methods, and trends in biology)
- learn **fundamental principles** (general biological mechanisms and theories)
- **learn to apply course materials** (to improve rational thinking, problem solving, and decision making)

**Course Instructor:** Dr. Habashi

**Contact information:** Use the Canvas inbox (allow 24 h for a response; expect delays on weekends/holidays).

### **Office location/office hours:**

- Tuesdays, 1:45–2:45 PM, and by appointment; Milton P. Miller Bldg. Room 171B

### **Class meetings**

Lecture (BIOL 1610)
• T/R, 5:15-6:45 PM (Miller Bldg. Room 154)

### **Required materials**

1. Lecture\*: “Campbell Biology: Concepts and Connections” by Reece et al. (ISBN 9780321885326).

2. All assignments will be posted on Canvas.

\*The textbook can be purchased from the USU Campus Store either by going to “<http://campusstore.usu.edu/>” or calling 800-662-3950. A copy of the text is on reserve at the Brigham City campus testing center (by appointment only).

### **General Course Requirements**

You are required to attend and actively participate in all lectures, and to complete all assigned readings before coming to each class meeting. This is a challenging course with a lot of interesting material to cover; **1-2 hours of study per day outside of class time is recommended**. Read the syllabus carefully and discuss any questions with your instructor. Adjustments may be made to the class schedule during the semester; however, lecture test and final exam dates will not change. Alterations to the syllabus will be posted on Canvas. By continuing in the course after reading the syllabus, you are indicating that you accept the terms of the syllabus.

### **Grading**

Your grade will be based on the following assessments. All scores in the grade book (except the final exam) will be considered finalized on Friday, 12/8/17, at 5:00 PM. No special projects will be offered to improve your grade.

Evaluation method	# of points possible
Lecture Assessments and Participation	100
Semester Research Project	100
Lecture Exams	400
Final Exam	200
<b>TOTAL</b>	<b>800</b>

### **Lecture Assessments and Participation**

Regular attendance and participation are an essential part of this course. To promote this, in-class or outside assignments based on the day’s assigned readings/lecture material will be administered at random points during the semester. These assignments are due when called for; therefore, it is vital to arrive to class on time and not to leave early. No late assignments will be accepted, and there are no makeups.

## Semester Research Project

With your classmates, you will complete an original research project during the semester that you will present at the end of the course. Details will be given during lecture and posted on Canvas. The project is worth 100 points.

## Lecture Exams

There will be 5 lecture exams, each composed of ~50 questions and worth 100 points each, given on the dates listed in the schedule. You will take each exam at a USU testing center. It is your responsibility to make your own testing center appointments, and picture ID will be required for each exam. You are responsible for knowing testing center hours and policies. Do not make a testing center appointment during lab time. **No make-up exams will be given for any reason**; however, the lowest of your 5 scores will be dropped. Exam questions will be formulated based on the assigned readings, lectures, handouts, laboratories, videos, articles, class discussions/demonstrations/assignments, and other materials distributed in class or posted on Canvas. You may bring a pen/pencil and basic calculator to each exam.

- You will have 1 full week from the date of each lecture exam to contest your score. **Submit all questions via the Canvas inbox to Dr. Habashi.** After the week is up, no score adjustments will be considered.
- **You are invited to meet with Dr. Habashi any time before 3:00 PM on 12/7/17 to view your exams.**

## Final Exam

A comprehensive final exam worth 200 points will be given from Monday, 12/11/17, to Tuesday, 12/12/17. You will take the final at a USU testing center. You will need to make your own testing center appointment, and photo ID will be required. **There is no make-up for the final. The exam may not be taken early, except in exceptional circumstances and with prior approval from Dr. Habashi.**

**Grading scale (grades are not rounded):**

Percentage	Grade
93-100%	A
90-92%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C
70-72%	C-
67-69%	D+
60-66%	D
59% and below	F

## **Need extra help?**

- **Mikayla Austin (Tutor):** E-mail through Canvas; Reviews to be announced; One-on-one tutoring by appointment.

## Classroom Policies and USU Student Information

### **Unacceptable Classroom Behavior:**

Behavior that disrupts the learning/teaching environment will not be tolerated. If you engage in disruptive behavior, you will be asked to stop, and you may be asked to leave the room (and possibly the course) so that other students can benefit from the limited amount of class time available. The course facilitators at each campus will report disruptive behavior to the instructor.

1. Once class has started, **all cell phones must be put away (not on your desk, in your hand, or on your lap).** No outside conversations are permitted. Use of laptop computers/tablets is permitted only for purposes related to the class.
2. Only students registered for the course are allowed to attend class sessions. Children, spouses, friends, etc. of students will not be permitted in the classroom during class.

For a full description of USU's policy on classroom incivility, see <http://www.usu.edu/policies/pdf/Classroom-Incivility.pdf>.

### **Withdrawal Policy and "I" Grade Policy:**

Students are required to complete all courses for which they are registered by the end of the semester. In some cases, a student may be unable to complete all of the coursework because of extenuating circumstances, but not due to poor performance or to retain financial aid. The term 'extenuating' circumstances includes: (1) incapacitating illness which prevents a student from attending classes for a minimum period of two weeks, (2) a death in the immediate family, (3) financial responsibilities requiring a student to alter a work schedule to secure employment, (4) change in work schedule as required by an employer, or (5) other emergencies deemed appropriate by the instructor.

**Student Athletes:**

USU athletes who will miss class due to team travel must make arrangements with Dr. Habashi through Canvas at least 10 days prior to the travel date. Written notification from USU regarding team travel is required before any accommodations will be considered.

**Course Conflicts:**

Students with a course conflict due to a University-sponsored event or another USU course must contact Dr. Habashi through the Canvas inbox at least 10 days prior to the date of the conflict to request accommodations; otherwise, no accommodations will be considered. Documentation will be required before any accommodations will be considered.

**Class Cancellations:**

Unless the USU-Brigham City campus is closed by President Cockett, classes will be held as scheduled for all students. Should closure occur, your instructor will post instructions for you as an "Announcement" on Canvas. To stay informed, visit the Personal Information page on Banner and update your "Code Blue Alert" phone number.

**Honor Code Policy:**

As stated in The Student Code, "Each student has the right and duty to pursue his or her academic experience free of dishonesty. The Honor System is designed to reinforce the higher level of conduct expected and required of all Utah State University students." Upon admission to the university, you agreed to abide by this Honor Code by signing the Honor Pledge, which reads: "I pledge, on my honor, to conduct myself with the foremost level of academic integrity." Complete academic honesty is expected in this course. Cheating on exams or plagiarism on written assignments will result in a failing grade and may result in further action according to University policy.

**Accommodation for Disabilities:**

Students with ADA-documented physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations. Veterans may also be eligible for services. Brigham City/BATC students should contact Jill Rasmussen, Director of Students, Room 170B, (435) 919-1246. At other USU campuses, contact your advisor. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn on the Logan Campus, (435)797-2444 voice, (435)797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible to ensure that your request can be considered. Alternate format materials (Braille, large print, or digital) are available with advance notice.

**Grievance Process:**

Students who feel they have been unfairly treated...may file a grievance through the channels and procedures described in the Student Code: <http://www.usu.edu/studentervices/pdf/StudentCode.pdf#page=3> (Article VII. Grievances, pp. 27-36).

**Course communications:**

Email is an official form of communication at USU. Any communication to you about this course will be sent to the email address you have listed in Canvas as your preferred address. You are responsible for any information conveyed to you at that email address.

To ensure that Canvas is using the email account you prefer, do the following:

- Log in to Canvas and click on the link "Profile" at the top right of the page.
- Click on "Notifications" at the left side of the screen.
- Verify your email address.
- You may also opt to receive course notifications via text on your cell phone. Click the downward arrowhead to the right of "Email me at" on the "Notifications Preferences" page to bring up the option "Text my Cell at."

**It is your responsibility to check your Canvas account at least once a day so that you do not miss out on announcements or emails to the class. All questions regarding academic progress or grades must be sent via Canvas.**

**To log in to Canvas**, go to: [canvas.usu.edu](https://canvas.usu.edu) (no "www"). Your username is your Banner username (your "A" number) and your password is your BANNER password. BIOL 1610 should appear under the heading "Courses."

- **For help with Canvas**, contact the IT service desk: **435-797-HELP (4357)** or 1-877-878-8325.

**Diversity Statement:**

Regardless of intent, careless or ill-informed remarks can be offensive and hurtful to others and detract from the learning climate. If you feel uncomfortable in a classroom due to offensive language or actions by an instructor or student(s) regarding ethnicity, gender, or sexual orientation, contact one of the following: at USU Brigham City, contact Jill Rasmussen, Room 170B, (435) 919-1246; at other regional campuses, contact your advisor, or; Moises Diaz, Director of Multicultural Student Services (435) 797-1733, [moises.diaz@usu.edu](mailto:moises.diaz@usu.edu); James Morales, Vice President of Student Services (435) 797-1712, [james.morales@usu.edu](mailto:james.morales@usu.edu); Ann Austin, Vice Provost for Faculty Development and Diversity, [ann.austin@usu.edu](mailto:ann.austin@usu.edu); Maure Smith, GLBTA Services, [maure.smith@usu.edu](mailto:maure.smith@usu.edu);

Steven Russell, Student Advocate (435) 797-1720, s.r.@aggiemail.usu.edu. You can learn about your student rights by visiting: [www.usu.edu/student-services/studentcode](http://www.usu.edu/student-services/studentcode).

### Anticipated Weekly Schedule for BIOL 1610

Week	Date	Lecture # / Topic	Chapter(s)
1	8/29	1-Introduction to the Course / Exploring Life / Semester project	1
1	8/31	2-Chemical Basis of Life	2
2	9/5	3-The Molecules of Cells	3
2	9/7	4-A Tour of the Cell	4
3	9/12	<b>**LECTURE TEST 1**</b> during testing center open hours	
3	9/14	5-The Working Cell	5
4	9/19	6-How Cells Harvest Chemical Energy	6
4	9/21	7-Photosynthesis	7
5	9/26	8-Cellular Basis of Reproduction and Inheritance	8
5	9/28	<b>**LECTURE TEST 2**</b> during testing center open hours	
6	10/3	9-Cellular Basis of Reproduction and Inheritance	8
6	10/5	10-Patterns of Inheritance	9
7	10/10	11-Patterns of Inheritance	9
7	10/12	12-Molecular Biology of the Gene	
8	10/17	<b>**LECTURE TEST 3**</b> during testing center open hours	
8	10/19	☺ <i>No Class: Go to your Friday classes instead!</i>	
9	10/24	13-How Genes are Controlled	11
9	10/26	14-DNA Technology and Genomics	12
10	10/31	15-Microbial Life: Prokaryotes and Protists	16
10	11/2	<b>**LECTURE TEST 4**</b> during testing center open hours	
11	11/7	16-The Evolution of Plant and Fungal Diversity	17
11	11/9	17-The Evolution of Invertebrate Diversity	18
12	11/14	18-The Evolution of Vertebrate Diversity	19
12	11/16	19-Plant Structure, Growth, and Reproduction	31
13	11/21	<b>**LECTURE TEST 5**</b> during testing center open hours	
13	11/23	☺ <i>No Class: Thanksgiving Holiday</i>	
14	11/28	20-Plant Structure, Growth, and Reproduction	31
14	11/30	21-Plant Nutrition and Transport	32
15	12/5	22-Control Systems in Plants	33
15	12/7	Semester project due at start of class / Presentations	
16	12/11 & 12/12	<b>**FINAL EXAM**</b> during testing center open hours	