

READ the Syllabus – it contains information that you are responsible for – check it first when you have a question regarding the class.

BIOL 1010 - Biology and the Citizen
Fall 2016 – August 29 – December 16
Distance Education
Syllabus



Instructor: Vicki Rosen

Best ways to contact me: email: vicki.rosen@usu.edu

Canvas: see URL below

Phone: work (435) 797-3694 or Office: BNR 331

SI (supplemental instructor) – Conner Belnap; email: conner.belnap@gmail.com

Conner will be a wonderful resource for you. He will offer review sessions and materials to help you master the material. Conner will post on **Canvas** his materials and announcements.

Course website is Canvas:

<https://login.usu.edu/cas/login?service=https%3A%2F%2Fmy.usu.edu%2Fpaf%2Fauthorize>

The web page will consist of lectures, review questions, study guides, assignments, quizzes, exams etc.

You will use **Canvas** to take your quizzes and exams, to access the lecture and review material, to read messages and to keep track of your grades. You will use the Mastering Biology website for the Mastering Biology assignments.

Required text:

Campbell Essential Biology by Simon/Dickey/Hogan/Reece – 6th edition

This is an excellent and very readable textbook.

Required: Access Code to use Mastering Biology website for textbook assignments (comes with some new texts or can be purchased separately).

An economical way to get the book and access code is to purchase an ebook with the code. This may be an option for students who don't mind having an ebook instead of a paper copy.

Text book website: <http://www.masteringbiology.com/>

Please read the registration information on page 4 of this syllabus

Objectives:

Students gain an understanding on how science works and the role science plays in today's society

Students develop awareness and appreciation for the natural world and its processes

Students gain an understanding of biological concepts

Class structure:

Lectures will be posted on **Canvas** formats: audio lecture with slides; powerpoint; and pdf. To access the information necessary in the class, you will need to listen to the lectures and take notes. Please feel free to ask questions via email, phone or on **Canvas**. The material covered including page numbers for each lecture is on the last page of the syllabus.

Grades: Your grade is based on the total points that you earn during the class.

Your scores will be posted on *Canvas*

93-100% A	87-89% B+	77-79% C+	67-69% D+
90-92% A-	83-86% B	73-76% C	60-66% D
	80-82% B-	70 – 72% C-	Less than 60% F

Once scores appear on *Canvas* you will have one week to ask any questions regarding your score.

Final grades are rounded up. For example, if a student has 89.5% at the end of the semester, that will round up and the student will get an A-. If the student has 89.4% at the end of the semester, that will round down and the student will receive a B+. Do not ask to get a different grade than what you earned.

I cannot and will not change a score because you “need” a certain grade. Your score, as every student’s score, is based on the points that you have **earned** in the class.

Bonus points are built into several assignments, quizzes etc. during the semester. Do not ask for additional assignments or extra credit assignments to improve your grade.

For exams use ***Firefox or Chrome*** (if you use Proctorio you have to use Chrome) as the internet browser.

Unit Exams -- 3 unit exams- each has 50 multiple choice questions worth 100 points.

Unit exams are available for several days – please note the opening and closing dates

Once an exam is opened you have 60 minutes in which to complete it

All exams are proctored (see following information)

Your lowest unit exam score will be dropped

Final exam -- has 75 multiple choice questions worth 150 points.

You may not drop your final exam score.

The final exam is comprehensive

You have 90 minutes to complete the final exam.

Approximately 2/3 of the material is from Unit 4, and 1/3 from units 1-3

All exams MUST be proctored. You will need to set up your own proctor. You can find information about proctors at <https://rcde.usu.edu/mats/> Students who live in Utah, and take exams at one of USUs testing centers, may use the centers for their proctor sites.

It may take a while to find a proctor so **START LOOKING NOW!** You’ll need one for your first exam. Make sure your proctor is using a high-speed internet connection. Contact Distance Education regarding approval of your proctors.

Exam opening and closing dates

	Opening Date	Closing Date
Unit 1 exam	Monday September 19, 2016	Monday September 26, 2016
Unit 2 exam	Monday October 17, 2016	Monday October 24, 2016
Unit 3 exam	Monday November 14, 2016	Monday November 21, 2016
Final exam	Saturday December 10, 2016	Friday December 16, 2016

Exam opening and closing dates are also on the last page of the syllabus You must take the exam during this time. If you wait until the last day to take the exam and have a problem that prevents you from taking it you will not be able to take it at a later time. The only exceptions will be if ***Canvas*** “crashes” and is not available in the last 2 days of the exam schedule, in which case I will extend the time that the exam is available. It is your responsibility to make sure that you take the exam during the days it is available.

Quizzes:

1 quiz for each week's lecture

Once you open the quiz you have 20 minutes to complete it. You cannot stop and restart it.

Quizzes will be taken on *Canvas* and available for several days (see schedule below)

On quizzes, you may use your notes, book etc.

Make sure you listen to the lecture, do the reading for the lecture and have your notes ready before you take a quiz. Quizzes are designed to give you an idea of the depth of knowledge you will need to have mastered and to gauge whether your note taking and comprehension are adequate. Most of the quiz questions come directly from the lecture. If you are doing poorly on the quizzes it indicates that you need to upgrade your note-taking or listen to the lectures more carefully. Given the purpose of the quizzes **cutting and pasting answers found on-line may not count for credit.**

Quiz Schedule	Opens	Closes
Week 1	August 31	September 4
Week 2	September 7	September 11
Week 3	September 14	September 18
Week 4	September 16	September 23
Week 5	September 28	October 2
Week 6	October 5	October 9
Week 7	October 12	October 16
Week 8	October 14	October 21
Week 9	October 26	October 30
Week 10	November 2	November 6
Week 11	November 9	November 13
Week 12	November 11	November 18
Week 13	November 23	November 27
Week 14	November 30	December 4
Week 15	December 7	December 11

Mastering Biology Website Assignments – there will be weekly assignments on the textbook's website. Each assignment is worth 4 points regardless of their length or point value shown on the Mastering Biology website. There is an introductory assignment that is worth 1 bonus point. Take advantage of an opportunity to get an extra point and to learn how to use Mastering Biology.

The website assignments have deadlines for full credit. If you miss a deadline, you will not be able to do the assignment for full credit. Credit is reduced 33% for each day after the deadline.

Reasons for missing a deadline such as “my internet connection went down; or my computer crashed right before the deadline” “or I couldn't get the site to work” will not be accepted. If you have technical problems with the site contact tech support on the Mastering biology website. They are very helpful, but if you have waited until the last day and have problems, you will not be given an extension. Don't procrastinate. Make sure you do the assignment well before the deadline if you are concerned about this occurring. You can find the grading protocol on the Mastering Biology website.

These assignments are intended to help you have a more complete understanding of the lecture material. You may discuss the questions with other students, use the textbook or other material to help you with these assignments.

Using the Mastering Biology Website

To register for the online assignments and get access to the electronic version of the textbook, follow the instructions below. You must have an access code before you begin.

1. go to <http://www.masteringbiology.com/>
2. under **Register**, click on **New Students**
3. select **Yes, I have an access code** and click **Continue**
4. Read the licensing information and Click **I accept**
5. Unless you have used another Pearson product, you probably don't have a Pearson account, so select **No**.
6. Choose a username and password.
7. Enter your access code and click **Next**
8. Fill out your name, email address, student ID, etc. Select United States, enter 84321 as the zip code and select Utah State University
9. You will also be asked to select the book for the course. Choose ***Campbell Essential Biology***, 6th edition
10. The Course ID number is **MBROSEN82094**
11. At this point you should be registered, and you can log onto the site at any time by going to <http://www.masteringbiology.com/> and logging in with your Login Name and password. If the Biology 1010 course page does not come up, click **Join Course** and enter the Course ID number (above)

Mastering Biology Assignment Schedule	Opens	Closes (for full credit needs to be completed by this date)	Unit assignments
Unit 1	August 29	September 23	Intro, MB 1, MB 2, MB 3, MB 4
Unit 2	September 24	October 21	MB 5, MB 6, MB 7, MB 8
Unit 3	October 22	November 18	MB 9, MB 10, MB 11, MB 12
Unit 4	November 19	December 11	MB 13, MB 14, MB 15

If there are additional assignments, they will be given on *Canvas* and you will be notified in advance.

Cheating is not tolerated. Students who are caught cheating will receive a zero on that exam, an academic integrity violation report will be filed with the university, and there will be a notation on your transcripts indicating that you had an academic integrity violation. Refer to the university's academic honesty policy.

Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, 797-2444 voice, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

Tentative Lecture schedule for Bio 1010 – Biology and the Citizen Online– Fall 2016

You are responsible for the information covered before each exam in lecture or from other assigned material regardless of where or if it appears on the syllabus.

Date	Topic	Text
Week 1 Aug. 29	Introduction & characteristics of life Basic chemistry; water and life	Ch. 1 all Ch. 2 all
Week 2 Sept. 5	Organic compounds, Cells – parts and functions	Ch. 3 all, Ch. 4 all
Week 3 Sept. 12	Plasma membranes ATP and Respiration	Ch. 5 all Ch. 6 all
Week 4 Sept. 19	Photosynthesis	Ch. 7 all
	Unit 1 Exam – covers material from weeks 1, 2, 3, & 4 – available from Sept.19 (Monday) until Sept. 26 (Monday)	Once you begin the exam you will have 90 minutes to complete it.
Week 5 Sept. 26	From one cell to many – mitosis and cancer Making gametes – meiosis	Ch. 8 all Ch. 11 pgs. 209-213
Week 6 Oct. 3	Modes of Reproduction	Ch. 16 pgs. 324-326; Ch. 17 pg. 360
Week 7 Oct. 10	Genetics	Ch. 9 all
Week 8 Oct. 17	DNA, RNA and protein synthesis	Ch. 10 pgs. 172-185
	Unit 2 Exam – covers material from weeks 5, 6, 7, & 8 – available from Oct. 17 (Monday) until Oct. 24 (Monday)	Once you begin the exam you will have 90 minutes to complete it.
Week 9 Oct. 24	Gene expression and cloning DNA technology	Ch. 11 pgs. 197-208 Ch. 12 all
Week 10 Oct. 31	Introduction to evolution	Ch. 13 pgs. 243-255
Week 11 Nov. 7	Microevolution Speciation and human ancestry	Ch. 13 pgs. 256 – 265 Ch. 14 pgs. 269 – 277 Ch 17 pgs. 361-367
Week 12 Nov. 14	Earth history, biodiversity, classification	Ch. 14 pgs. 278-289
	Unit 3 Exam – covers material from weeks 9, 10, 11 & 12 – available from Nov. 14 (Monday) until Nov. 21 (Monday)	Once you begin the exam you will have 90 minutes to complete it.
Week 13 Nov. 21	Viruses, Bacteria and Fungi Introduction to ecology	Ch. 10 pgs. 171; 186-192; Ch. 15 pgs 293; 299-306 Ch 16 pgs 328-332; Ch.18 373-386
Week 14 Nov. 28	Human impact on biomes and Populations	Ch. 18 pgs.391 -399; Ch. 19 all
Week 15 Dec. 5	Communities and ecosystems Sustainable living	Ch. 20 all
	Final Exam – comprehensive – available from Dec. 10 (Saturday) until Dec. 16 (Friday)	Once you begin the exam you will have 120 minutes to complete it.