

**UtahStateUniversity**<sup>™</sup>  
EASTERN - BLANDING

**BIOLOGY and the Citizen, BIO 1010, Fall 2017**

M W F 9:30-10:20 AM, HSL 206

Dr. Carla L Endres, BLT108; 678-8209 [carla.endres@usu.edu](mailto:carla.endres@usu.edu)

Web address: <http://sjc.ceu.edu/departments/LFSC/index.html>

**Course:** This general education course focuses on the principles of molecular biology, genetics, and diversity of life, evolution, and ecology in historical and modern contexts. It fills the Life Science general education requirement. 3 credits.

**Availability:** MW 8:45-9:15 AM; 1:30-2 M/T Or By Appointment. Communicate through email via Canvas, I can answer questions and offer help.

**Text:** OER: link provided in Canvas (free) download or you may opt to purchase **for printing fee**

<https://cnx.org/contents/s8Hh0oOc@9.21:Pj8cW7X1@4/Introduction>

OpenStax Assignments and tutoring

<https://tutor.openstax.org/enroll/327676>

**Course**

**Objectives:**

1. An understanding of Life Sciences and their complexity.
2. An understanding and an application of the scientific method.
3. Increased knowledge in the diversity in cellular structure and life.
4. Understand the human role in and impact on the biosphere, the importance of biodiversity and sustainability of ecosystems.
5. Student's accountability and responsibility in completing assignments.
6. Increased ability in science writing.

**Canvas:**

Canvas will be used (Web Course Tools) for the management of this class. All reserve materials, including my lectures, the syllabus, class schedule, current exam keys, and updated grade sheets, will be available through Canvas. The reserve materials will be provided to you as downloadable PDF files, which require AcrobatReader, a free program available for both PC and Mac platforms at the Adobe web site. To access Canvas, go to the USU-College of Eastern Utah-San Juan Campus' home page at <http://sjc.ceu.edu/>. Click on the link 'Current Student.' At the bottom of the 'Current Student' page you will find a find 'Canvas' where you will be prompted to login to the server. I recommend changing your password so no one can enter the class under your name. Privacy is your responsibility. You will be responsible for every email and quiz submitted under your name. You will also be held accountable for every email and announcement I send through Canvas. You will want to check it regularly (at least 5 times a week). Canvas has many useful features (your assignment scores, a chat room, e-mail, etc.) and you should take the time to explore them from within our course page. I will provide more instructions on using Canvas in class.

**Quizzes:**

Quizzes will be given at the end of every chapter in Canvas. The quizzes are meant to be used as a study guide, and allow you to review the material. Quizzes will be open book/open notes. Quizzes will remain open until midnight prior to the exam! Lowest score of all quizzes will be dropped from your grade.

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Quizzes will close on dates specified; **quizzes will NOT be reopened for students for any reason.**

**Exams:** There will be 3 exams that will be given during class time, administered on Canvas. Each exam will be worth 100 points. There will be **no make-up exams**. You will be allowed to drop the lowest exam score. Discussions will be introduced on Canvas- points awarded. Exams will use *Proctorio*, you must be at a computer with a webcam and audio, you will need valid ID to take the exam. I still suggest that you attend in the testing centers (internet stability: if you are booted out of an exam you can only schedule to retake the exam (with Dr. Endres) if you took the exam on campus/sites in the presence a proctor is proctor and they document the occurrence. There is a practice *Proctorio* exam on your computer. Please make sure that your systems work and you have all of the necessary elements downloaded on your device.

**Midterm and Final Exam:** There will be a mandatory midterm and final exam. Both will be worth 150 points and are comprehensive. No make ups.

**Research Paper:** A 5-7 page research paper will be submitted in canvas; size 12 font, double spaced. A biology Topic will need Professor Approval by Sept 9th. Papers will be in APA format, include citations within the text and a complete bibliography. A minimum of 3 references required, not your textbook, no Wikipedia, or similar web addresses accepted. 5 points for Outline due Sept 21st (10:20 AM). Papers in complete form are due November 13th. Papers edited by the Writing Center in person or by email will receive 5 points extra credit.  
([terri.winder@usu.edu](mailto:terri.winder@usu.edu) or [patricia.karamesines@usu.edu](mailto:patricia.karamesines@usu.edu))

**Missed Exams:** All students are expected to take examinations on the day they are scheduled. Only illness (verified by a physician) and extreme legitimate situations will excuse a student. If an absence can be foreseen (e.g. games, field trips, competitions etc.), I will require 2 weeks advance notice. The excuse must be presented prior to the event and arrangements made with me for an alternate exam time. No excuses will be accepted after “the event”. **Exams will be a different format at discretion of professor.** The final exam cannot be made-up.

**Grading:** A total of 790 points are possible and are distributed as follows:

Best 19of 20 quizzes @ 10 points each .....	190 pts.
Best 2 of 3 exams @ 100 points each.....	200 pts.
Research Paper .....	100 pts
Comprehensive Midterm Exam .....	150 pts.
Comprehensive Final Exam .....	150 pts.
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Total Points.....	790 pts.

- Additional assignments may be added to the point total

**Letter grades:** Letter grades will follow the typical percentages as outlined.  
A's – 90 to 100%                      D's – 60 to 69%

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B's – 80 to 89%  
C's – 70 to 79%

E – Less than 50%

**Course** Withdrawal from the course after Sept 20th will result in a “W” notation  
**Withdrawal:** being on your transcript. No withdrawal is permitted after October 31<sup>st</sup>.

- **ADA Syllabus Statement**

If a student has a disability that qualifies under the Americans with Disabilities Act (ADA) and requires accommodations, he/she should contact the Disability Resource Center for information on appropriate policies and procedures. Disabilities covered by ADA may include learning, psychiatric, physical disabilities, or chronic health disorders. Students can contact DRS if they are not certain whether a medical condition/disability qualifies. You may contact the DRS by phone (435) 678-8161 or visit the office located in the Health and Science Library Building.

**Extra Credit:** Many times a semester, particularly at the end; students will ask for extra credit. I offer various assignments along the way that are extra credit assignments. Do not ask later or for more, there is none. Do your best; complete all assignments well and on time.

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- :This course syllabus is tentative and subject to change

Week	Day	Date	Topic	Chapter
1	M	Aug 28	Biology Introduction/Chemistry Review	1&2
	W	Aug 29	Chemistry	
	F	Sept 1	Biological Molecules	3
2	M	Sept 4	<b>LABOR DAY NO CLASS</b>	
	W	Sept 6	BIO Molecules Cont (paper topic due)	
	F	Sept 8	Cell Structure	4
3	M	Sept11	Cell Structure and Function	5
	W	Sept13		
	F	Sept15	Test #1 Chapters 1-4	Test
4	M	Sept18	Energy Flow (Paper outline due)Last day to drop without W	
	W	Sept20	Energy Flow	6
	F	Sept22	Photosynthesis	7
5	M	Sept25		
	W	Sept27		
	F	Sept29	Harvesting Energy: Glycolysis	8
6	M	Oct 2		
	W	Oct 4	Continuity of Life: Cellular Reproduction	9
	F	Oct 6	Test #2 Chapters 5 – 8)	Test
7	M	Oct 9	Inheritance	10
	W	Oct 11	DNA: Molecule of Heredity	11
	F	Oct 13	Gene Expression:	12
8	M	Oct 16	BIOTECHNOLOGY	13
	W	Oct 18		
	H	Oct 19	Midterm 1-13 Friday Schedule	Test
	F	Oct 20	<b>Fall Break No class</b>	
9	M	Oct 23	Evolution	15/16
	W	Oct 25	How Organisms Evolve	
	F	Oct 27		
10	M	Oct30	Systematics (Last Drop Day)	18
	W	Nov 1	Diversity of Viruses, prokaryotes .....	19
	F	Nov 3	Diversity of Viruses, prokaryotes	
11	M	Nov 6	Diversity of Fungi	20
	W	Nov 8	Diversity of Plants	21
	F	Nov 10	Diversity of Plants Paper due 5PM	21
12	M	Nov 13	Animal Diversity I	22
	W	Nov 15	Animal Diversity II	23
	F	Nov 17	Test #3 Chapters 14-21	Test
13	M	Nov 20	Animal Diversity II	23
	W	Nov 22	<b>Thanksgiving Break Nov 22, 23, 24</b>	26
14	M	Nov 27	“ Population Growth and Regulation	27
	W	Nov 29	Community Interactions	
	F	Dec 1	How do Ecosystems Work?	28

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15	M	Dec 4	Ecosystems	
	W	Dec 6	Wrap up	
	F	Dec 8	<b>Study day! Final Exam 12/13/2017 9:30AM</b>	