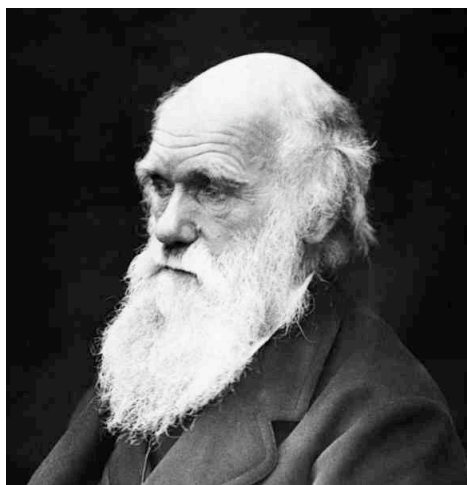


Fall 2021

Tim Revell, Ph.D.
 Professor of Biology
 Mt. San Antonio College
**COVID19 – Pandemic
 (Round 5!)**



Contact Information:

Email: trevell@mtsac.edu
 Phone: 909-274-4231
 Webpage: instruction.mtsac.edu/trevell
 Office location: building 60-2102
 Office Hours:
 Tuesdays Via Zoom 7pm-9pm
 Wed 4:30-6:30

Lecture will mainly be online and lab will mainly be face to face on campus. Lab attendance on campus is currently required by all Bio 1 students. Students cannot miss more than 2 labs.

Course Description: A non-majors course that covers biological chemistry, cell structure and physiology, biodiversity, evolution, ecology and human environmental impact.

Points Possible	
Lec/Lab Quizzes (13x25)	325
Lecture Final	75
Lab Final	75
Pandemic Learning Challenges (PLC's):	
6x10 points teach)	60
In class lab reports (3 points each week for lab) 3x15)	45
	580
* subject to change based on holidays or other changes, Pandemics, etc.	

Grading Scale
≥90% A
80-89% B
70-79% C
60-69% D
<60% F

MUST MEET IN LAB
CRN 21307 (1:15-4:25) MONDAY
CRN 21311 (1:15-4:25) WED
CRN 21336 (7-10:10) MONDAY
Classes where lab falls on a holiday will be held asynchronously.
Final Exams (week 16)
Monday 1:30-4 and 7:30-10
Wednesday 1:30-4
Holidays
Sept 6 – No Class – Labor Day
Nov 11 – No Class – Veterans Day

SPRING 2021		On Campus		DUE at start	DUE	
MONDAY	Lecture Topic	Lab #	READ/WATCH	Lab	of class time	FRIDAY MIDNIGHT
23-Aug	Intro and Chem	1 - Tools of Biology	First meeting	Lab 1	. - - - - -	
30-Aug	Organic Chem	2 - Macromolecules, Enzymes, and Digestion	LEC1/LAB1	Lab 2	Lec/Lab Quiz #1	PLC #1
6-Sep	Cell Structure/Function	3 Cell: The Building Blocks of Life	LEC/LAB2	Lab 3	Lec/Lab Quiz #2	PLC #2
13-Sep	Membranes & Transport	4 How Things Move - Transport & SA/V ratios	LEC3/LAB3	Lab 4	Lec/Lab Quiz #3	
20-Sep	Enzymes & Cell Resp	5 Cell Rep, Fermentation, & Metabolic Rate	LEC4/LAB4	Lab 5	Lec/Lab Quiz #4	
27-Sep	Plants & Photosynthesis	6 Plants and photosyn	LEC5/LAB5	Lab 6	Lec/Lab Quiz #5	PLC #3
4-Oct	Microevo, Biodiversity	7 Biodiversity and Taxonomy	LEC6/LAB6	Lab 7	Lec/Lab Quiz #6	
11-Oct	DNA, Protein Syn, Mit/Meiosis	8 The Central Dogma of Biology	LEC7/LAB7	Lab 8	Lec/Lab Quiz #7	
18-Oct	Genetics and Biotech	9 Genetics	LEC8/LAB8	Lab 9	Lec/Lab Quiz #8	PLC #4
25-Oct	Macroevolution & World His	10 Microevolution	LEC9/LAB9	Lab 10	Lec/Lab Quiz #9	
1-Nov	Ecology, Populations, Comm.	11 Macroevolution and Homologous Structures	LEC10/LAB10	Lab 11	Lec/Lab Quiz #10	
8-Nov	Biomes, Ecosystems, Human Im	12 Pop Growth Disease	LEC11/LAB11	Lab 12	Lec/Lab Quiz #11	PLC #5
15-Nov	Circulation, Respiration, Imm.	13 Human Resp & Circ	LEC12/LAB12	Lab 13	Lec/Lab Quiz #12	
22-Nov	Osmoregulation, Nerv, Endocr	14 Nervous System & Human Senses	LEC13/LAB13	Lab 14	Lec/Lab Quiz #13	PLC #6
29-Nov	Reproduction and Digestion	15 Biodiveristy & Ecology	LEC14/LAB14	Lab 15	Lec/Lab Quiz #14	
6-Dec	Comprehensive Final Exams	Lec and Lab Fin	LEC15/LAB15		FINAL EXAM	

Check your Mt. SAC email!!!

The fine print...

- 1) Lab is currently scheduled to be in person. Students must attend lab in order to complete this course. Students may not miss more than 2 labs. Missing more than 2 labs may result in the professor dropping the student.
- 2) The instructor reserves the right to make any necessary changes to this syllabus or to any part of the class without prior warning. Pandemics included!
- 2) Please notify me immediately if you require accommodations (for example, due to disabilities or health issues of any sort). Our Accessibility Resource Center for Students (also called ACCESS) is also available to assist any needs you might have.
- 3) The use of cell phones is prohibited in class in the instructors says otherwise.
- 4) SLO's related to this course can be found at www.mtsac.edu
- 5) It is the student's responsibility to officially drop the course should they stop attending. Failure to do so may result in an "F" grade.
- 6) Incomplete's are only given in special circumstances; students must meet all requirements as defined by the college before an incomplete is considered.
- 7) The professor keeps all exams and quizzes. Students may not take pictures or copies of any exam or quiz or the student may receive an "F" in the course.
- 8) Check your Mt. SAC email often for important messages from the Professor.
- 9) Cheating and plagiarism will not be tolerated. Students will receive a zero on any test/quiz/assignment for which cheating was noted. Students may also receive an "F" in the course.
- 10) Success is highly dependent on student motivation and early intervention. If you are not receiving the grade you would like, seek help IMMEDIATELY AND OFTEN by speaking with the professor.
- 11) No make-up quizzes, exams, or labs. Students cannot turn in labs if they were not present to do the work.
- 12) On days in which labs fall on a holiday, Labs will be held asynchronously and the quiz will be held on the following day.
- 13) Labs and assignments are due at the beginning of class. After that time, they are late and worth ½ credit maximally. After one week, no credit will be given for late work.
- 14) Any grade dispute must be handled within one week upon the return of the quiz, assignment or exam in question.
- 15) Email me or stop by with questions. Be sure to include your name and the class you are in so I can answer your question quickly.

Assignments:

Quizzes – Lecture and Lab Quizzes will be done online in canvas and/or campus (they will vary by quiz). They must be completed during the beginning of lab time based on your CRN number. No late quizzes will be allowed. Quizzes are individual work and using notes, the internet, or other people will be considered cheating.

Lecture and Lab Final. The Lecture and Lab Finals will be similar in structure to the quizzes. They will be individual work and no late work will be accepted.

PLC Pandemic Learning Challenges – These are assignments that student will do individually or sometimes in groups. They are designed to show the application of what you have learned or to demonstrate the use of particular scientific equipment or skills. PLC's and labs have assigned due dates in the syllabus. Labs and PLC's turned in late (UP TO 1 week) are worth ½ credit. More than 1 week late and they are worth zero points.

Need online/testing accommodations for a physical/other disability? Get information here about how to get about getting your support! <https://www.mtsac.edu/access/resources/faq.html>.

Also: Please let me know your ACCESS needs as soon as you can so we can get started right away making you the most comfortable and successful.

Links and important information can be found on my website (instructor.mtsac.edu/trevell)

Many of these resources (and more) will be found in my canvas page for each course also.

Measurable Objectives and SLO's:

- Students will be able to analyze data and construct a graph of their results in a scientifically appropriate manner.
- Students' developmental learning will be addressed through tailored instruction using clicker technology such that students who are taught in courses using clicker technology will have a greater ability to solve metric problems.
- Students' developmental learning will be addressed through tailored instruction using clicker technology such that students who are taught in courses using clicker technology will have greater abilities to understand new terminology through recognizing the meanings of prefixes, suffixes and word roots.
- An advisory prereq of READ 100 has been added to Bio 1 course outline. It is currently in the queue for review by Ed Design.
- Students completing relevant assignments in Area B courses will evaluate the impact of science on their daily lives
- Classify the molecules of living systems and apply basic principles of chemistry to their interaction.
- Relate cell structure and physiology.
- Compare and contrast the processes of photosynthesis and cellular respiration in terms of energy transformation in cells.
- Evaluate how life forms duplicate, maintain control, and exhibit hereditary patterns.
- Summarize the various types of evidence used to examine evolutionary principles.
- Assess how population and community dynamics are affected by ecological interactions.
- Describe how the systems of the human body interact to maintain homeostasis.
- Explain why evolution is the most all-encompassing scientific

In Class Quizzes – Each week you will take a quiz based on the material in the book, short lectures given in lab, lecture assignments, and lab assignments. Each quiz will be worth 25 points and may consist of true/false, multiple choice, matching and short essay style questions. No make-up quizzes will be given. All quizzes will be given in the first 20 minutes of class only. If you are late, you will not be allowed to take the quiz.

Final Exam- The final exams (both lecture and lab) will be cumulative and will therefore cover information from the entire semester. The final exams will be worth 75 points (each) and there will be no make up exams for the final! Do not miss the final exam or midterm! Check the current Final Exam Schedule for the day and time of your final exam.

“COVID safety guidelines - The college has instituted these policies and taken these steps to keep students and faculty safe as we return to class during these difficult times:

Students and faculty with symptoms of COVID-19 or who test positive for COVID-19 must stay home and fill out the reporting form at <https://www.mtsac.edu/health/covidscreen.html>. Vaccinated individuals will need to stay home until symptom free. Unvaccinated individuals will need to stay home up to 10 days as directed by the college.

Students and faculty are required to wear masks for in person classes (the only exception would be for those who have a medical or other exemption from our ACCESS office, <https://www.mtsac.edu/access/>, and show this accommodation to their instructor).

Students and faculty are required to be vaccinated or to submit to weekly COVID testing. Vaccination is available free on campus. Weekly testing will be available free on campus. Details of the vaccination and testing requirement are forthcoming. See <https://www.mtsac.edu/health/safety.html> for details.

There will be contact tracing for cases of COVID positive students who have attended class. In some cases classes may need to move to emergency remote instruction for a period of up to 10 days. Your instructor will keep you informed of what to do in that event.

Other safety measures taken by the college include: increasing air filtration in all buildings up to the maximum supported by the HVAC system of each building, and increased cleaning of rooms including the hiring of 10 additional custodial staff and shifting of many custodial staff from night shift to day shift.

Students and faculty must adhere to any other safety protocols as described at <https://www.mtsac.edu/health/safety.html>.”