Syllabus for Biology 152: Organismal Biology

Lecture: Tues/Thurs 11:00am–12:15pm
Meeting ID: 986 6598 6713 Passcode: 564377

Lab: Depends on section Spring 2021

Instructors:

Dr. Althea A. Archer
Office: 267 Wick Science Building
Email: althea.archer@stcloudstate.edu
Twitter: @aaarchmiller
Virtual Office Hours: By request

Dr. Michelle Wagner
Email: mlwagner@stcloudstate.edu

The schedules and policies associated with this course may be subject to revision or change as a consequence of changing circumstances or events. Reasonable notification will be provided to students prior to any major changes in course policies or procedures.

Course Description

Organisms at the cellular, organismal, and ecological levels. Integrate knowledge, terminology, and concepts from all fields of biology to gain an appreciation of the origin of life and how species diversity arose.

Learning Outcomes

The goals of the course are to:

1. Learn enough about biology to allow you to make informed decisions about some of the important issues concerning biology that face society today
2. Begin to develop an understanding of science, its scope, and its limitations
3. Begin to develop an appreciation of both the incredible diversity and the unity of life, of which humans are one part
4. Develop a knowledge and conceptual base in the areas of diversity, evolution, and ecology

Required Textbooks

- Biology. Raven. 12th edition. Do not purchase individually, instead sign up through D2L. More information will be shared soon
- McMillan, V.E. 2014 or later. *Writing Papers in the Biological Sciences*. Bedford/St. Martin's

Contact Us: The best way to get ahold of us is by emailing us. We will always try to get back to emails within 24 hours or 48 hours, if it is a weekend. We get a lot of emails, so please begin emails with "BIOL 152" so that we can prioritize your email.

Regular attendance and participation in class is critical to your success. This course will be offered in a synchronous Zoom format. Textbook assignments will be conducted through an interactive online textbook. Lectures slides will be posted to D2L.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES: SCSU is an affirmative action, equal opportunity employer and educator. We are committed to a policy of nondiscrimination in employment and education opportunity and work to provide reasonable accommodations for all persons with disabilities. Accommodations are provided on an individualized, as-needed basis, determined through appropriate documentation of need. Please contact Student Accessibility Services (SAS), sas@stcloudstate.edu or 320-308-4080, Centennial Hall 202, to meet and discuss reasonable and appropriate accommodations.

RESPECT FOR DIVERSITY: It is our intent that students from diverse backgrounds and perspectives be well-served by this course, and that the diversity that students bring to this class be viewed as a resource. Please let us know ways to improve the effectiveness of the course for you, personally, or for other students or student groups. As a student in this class, you are required to treat other members of the class with respect and kindness. Diverse perspectives are welcome and disagreeing is fine. However, disrespectful, rude, or exclusive behavior will not be tolerated.

GRADES

Category	Item	Details	points	%
Textbook Assignments		drop lowest 2	100	10%
Lecture Exams	Exam 1	Feb. 4; Unit 1 material	140	14%
	Exam 2	Mar. 2; Unit 2 material	140	14%
	Exam 3	Apr. 6; Unit 3 material	140	14%
	Final Exam	May 6; Cumulative	180	18%
Laboratory	Total			30%
	Introductory paragraph	Feb. 5	10	
	Evaluating Science	Feb. 12	25	
	Primary Sources	Feb. 19	10	
	Citing Sources	Feb. 26	30	
	Paraphrasing	Mar. 5	30	
	Hypothesis Testing	Mar. 19	20	
	Figures and Tables	Mar. 26	20	
	Predator-Prey Selfie	Apr. 2	5	
	Predatory-Prey Paper	Apr. 23	100	
	Participation/Attendance	Drop lowest 1	50	
Total			1000	100%

TEXTBOOK ASSIGNMENTS will be a series of reading assignments on D2L/Connect that correspond with textbook readings. You can complete these assignments as many times as you would like, and your highest grade by the time of the due date will be retained for the gradebook.

There will be approximately one assignment per week, and each assignment is worth 10 points. Your lowest 2 grades will be dropped.

Percentage	Grade
≥ 99	A+
90-98.9	A
89-89.9	B+
80-88.9	B
79-79.9	C+
70-78.9	C
69-69.9	D+
60-68.9	D
< 60	F

LECTURE EXAMS will be comprised of multiple choice questions and will be conducted via D2L. The first three exams will primarily focus on the associated unit material. The final exam will be ∼25% cumulative.

LABORATORY grades will be based around a semester-long project and participation in Zoom lab sessions. Please see laboratory syllabus for more information.

ST. CLOUD'S STATEMENT ON COVID-19

St. Cloud State University (SCSU), in coordination with state and local health departments, is closely monitoring the spread of COVID-19 and following the State of Minnesota's laws and guidelines to keep everyone safe.

We have developed a list of ways that all of us can participate to assure our campus is safe for living and learning. We expect that all of us will honor and respect ourselves and each other by following the "Keep the Pack Safe" guidelines in our classroom. As a reminder:

- Complete the self-assessment before you come to campus or attend classes.
- You must wear a face mask/covering every time you enter an SCSU building, including in our classroom. Keep your mask on during class.
- If you are unable to wear a face mask or covering for medical reasons, please contact the Student Accessibility Services Office for an accommodation.
- Wash your hands frequently and use the hand sanitizers available to you.
- Practice physical distancing at all times. Remain 6 feet apart at all times.
- Greet each other without shaking hands.
- If you are not feeling well, be sure to call the SCSU Medical Clinic for assistance at (320) 308-3193 or email myhealthservices@stcloudstate.edu .
- If you are not feeling well, do not come to class that day. You can contact your instructors to make alternative arrangements.

Academic Integrity

St. Cloud State University has university-wide policies about academic integrity, and all students are responsible for being familiar with and adhering to them. These policies are in place to protect students, first and foremost.

As a student at St. Cloud State University and as a student in this class, you are expected to fully and properly acknowledge the work of others. Every instance of plagiarism will be reported, as per the policies of SCSU, but please do not hesitate to ask us in advance if you think something might be questionable or if you are unsure about what is considered to be plagiarism. We are happy to help, as long as you inquire in advance!

Academic misconduct includes but is not limited to:

- cheating: using a resource other than one's own work to answer questions;
- plagiarism: misrepresenting another's ideas as one's own or not giving credit to the creator of a work;
- falsification: submitting falsified or fabricated information;
- facilitating others' violations: knowingly permitting or facilitating the dishonesty of others;
- impeding: placing barriers in the way of others' academic pursuits'

Course Schedule (version dated January 11, 2021)

Lecture Zoom Meeting https://minnstate.zoom.us/j/98665986713
Meeting ID: 986 6598 6713 Passcode: 564377

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Jan 11th *No labs this week*	12th **Introduction to Biology** *Ch 1.1-1.4*	13th	14th **Life on Earth** *Ch 25.1-25.2*	15th
18th Connect Ch 1&25 Due *No labs this week*	19th **Evidence for Evolution** *Ch 21.1-21.6*	20th	21st **Microevolution** *Ch 20.1-20.2*	22nd
25th Connect Ch 20&21 Due	26th **Natural Selection** *Ch 20.3-20.7*	27th	28th **Macroevolution** *Ch 22.1-22.7*	29th
Feb 1st Connect Ch 22&23 Due	2nd **Phylogeny** *Ch 23.1-23.3*	3rd	4th **Exam 1**	5th Introductory Paragraph Due
8th	9th **Viruses** *Ch 26.1*	10th	11th **Prokaryotes** *Ch 27.1, 27.5*	12th Evaluating News Assignment Due
15th Connect Ch 26&27 Due	16th **Endosymbiosis** *Ch 28.1-28.2*	17th	18th **Protists** *Ch 28.3-28.8*	19th Primary Sources Due
22nd Connect Ch 28 Due	23rd **Fungi** *Ch 31.1-31.4*	24th	25th **Fungi** *Ch 31.5-31.9*	26th Citing Sources Due
Mar 1st Connect Ch 31 Due	2nd **Exam 2**	3rd	4th **Intro to Animals** *Ch 32.1-32.3*	5th Paraphrasing Sources Due
8th *Spring Break*	9th *Spring Break*	10th *Spring Break*	11th *Spring Break*	12th *Spring Break*
15th	16th **Parazoa** *Ch 32.4-32.5*	17th	18th **Lophotrochozoa** *Ch 33.1-33.7*	19th Hypothesis Testing Due

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
22nd Connect Ch 32 Due	23rd **Ecdysozoa** *Ch 33.8-33.9*	24th	25th **Deuterostomes** *Ch 34.1*	26th Figures and Tables Due
29th Connect Ch 33 Due	30th **Chordates** *Ch 34.2-34.6*	31st	Apr 1st **Amniotes** *Ch 34.7-34.10*	2nd Predator-Prey Selfie Due
5th Connect Ch 34 Due	6th **Exam 3**	7th	8th **Plant Evolution** *Ch 29.1*	9th
12th *No labs this week*	13th **Bryophytes** *Ch 29.2*	14th	15th **Monilophyta** *Ch 29.3-29.5*	16th
19th Connect Ch 29 Due	20th **Gymnosperms** *Ch 30.1-30.2*	21st	22nd **Double Fertilization** *Ch 30.3-30.5*	23rd Predator-Prey Paper Due
26th Connect Ch 30 Due *No labs this week*	27th **Angiosperm Reproduction** *Ch 40.1-40.6*	28th	29th **Angiosperm Anatomy** *Ch 35.1-35.5*	30th
May 3rd Connect Ch 35&40 Due	4th	5th	6th **FINAL EXAM 9:55am - 12:10am**	7th