

**General Biology: Diversity; Physiology; Ecology- BIOL 119 (01), CRN# 20426**  
**MW 11:30-12:45**  
**Instructors: Dr. O'Donnell and Ms. Clinton**  
**Course Outline, Fall 2020**

<b>Day/Lecture</b>	<b>Date</b>	<b>Chapters</b>	<b>Instructor</b>
1	31-Aug-2020	Ch. 18 – The Evolution of Invertebrate Diversity	Dr. O'Donnell
2	2-Sep-2020	Ch. 18 – The Evolution of Invertebrate Diversity Ch. 19 – The Evolution of Vertebrate Diversity (only 19.1-19.8)	“
3	9-Sep-2020	Ch. 19 – The Evolution of Vertebrate Diversity (only 19.1-19.8)	“
4	14-Sep-2020	Ch. 20 – Unifying Concepts of Animal Structure and Function	“
5	16-Sep-2020	Ch. 21 – Nutrition and Digestion	“
6	21-Sep-2020	Ch. 21 – Nutrition and Digestion Ch. 22 – Gas Exchange	“
7	23-Sep-2020	Ch. 22 – Gas Exchange Ch. 23 – Circulation	“
8	28-Sep-2020	<b>Exam I (18-22)</b>	“
9	5-Oct-2020	Ch. 23 – Circulation Ch. 24 – The Immune System	“
10	7-Oct-2020	Ch. 24 – The Immune System Ch. 25 – Control of Body Temperature and Water Balance	“
11	12-Oct-2020	Ch. 25 – Control of Body Temperature and Water Balance Ch. 26 – Hormones and the Endocrine System	“
12	14-Oct-2020	Ch. 26 – Hormones and the Endocrine System Ch. 27 – Reproduction and Embryonic Development	“
13	19-Oct-2020	Ch. 27 – Reproduction and Embryonic Development Ch. 28 – Nervous Systems (only 28.1- 28.14)	“
14	21-Oct-2020	Ch. 29 – The Senses (only 29.1-29.3 and 29.7-29.10) Ch. 30 – How Animals Move	“
15	26-Oct-2020	<b>Exam II (23-30)</b>	“
16	28-Oct-2020	Ch. 16 – Protists (only 16.12-16.19) Ch. 17 – The Evolution of Plant and Fungal Diversity	Ms. Clinton
17	2-Nov-2020	Ch. 31 – Plant Structure, Growth and Reproduction	“
18	4-Nov-2020	Ch. 31 – Plant Structure, Growth and Reproduction	“
19	9-Nov-2020	Ch. 32 – Plant Nutrition and Transport	“
20	11-Nov-2020	Ch. 32 – Plant Nutrition and Transport	“
21	16-Nov-2020	Ch. 33 – Control Systems in Plants	“
22	18-Nov-2020	<b>Exam III</b>	“
23	23-Nov-2020	Ch. 34 – The Biosphere	“
24	30-Nov-2020	Ch. 35 – Behavioral Adaptations to the Environment	“
25	2-Dec-2020	Ch. 36 – Population Ecology	“
26	7-Dec-2020	Ch. 36 – Population Ecology	“
27	9-Dec-2020	Ch. 37 – Communities and Ecosystems	“
28	14-Dec-2020	Ch. 38 – Conservation Biology <b>Last Day to Withdraw</b>	“
29	Dec 21, 2020	<b>Exam IV (Online ?)</b>	“

## **A. PREREQUISITES**

Biol 117

## **B. REQUIRED TEXT**

Campbell Biology: Concepts and Connections

Authors: Taylor, Simon, Dickey and Reece

Publisher: PEARSON

Edition: 9/e

ISBN: 9780134610184, Modified Mastering Biology with Pearson e-text, online, \$95.95

**C. COURSE MATERIALS:** Course materials will be available within the Course Management System, CANVAS. There is also an information section of new student help guides on their website at:

<https://wiki.geneseo.edu/display/cit/Canvas+Tips+for+Geneseo+Students>

<b>D. INSTRUCTORS:</b>	Dr. Robert W. O'Donnell	Ms. Regina Clinton
Office:	ISC 332A	ISC 139A
Telephone:	245-5313	245-6051
E-mail Address	<a href="mailto:odonnell@geneseo.edu">odonnell@geneseo.edu</a>	<a href="mailto:clinton@geneseo.edu">clinton@geneseo.edu</a>
Office hours:	M-F, 9:30 to 10:30 Other times by appointment	Virtual office hours: M/T/R 8:30-9:30, W 1:00-2:00 Other times by appointment

### **Dr. O'Donnell Virtual Office hours:**

Join Zoom Meeting with the following link:

**M-F, 9:30 to 10:30**

<https://geneseo.zoom.us/j/92439572925?pwd=UIF3ZjVVeKwwbCtyNkdSNFZQME5MQT09>

Meeting ID: 924 3957 2925

Passcode: 379177

### **Regina Clinton Virtual office hours:**

Join Zoom Meeting with the following links:

**M/T/R 8:30-9:30 am**

<https://geneseo.zoom.us/j/91369504542?pwd=dIFMzjITSVNZOE15OGkvMldReTNaQT09>

Meeting ID: 913 6950 4542

Passcode: 547712

**W 1:00-2:00 pm**

<https://geneseo.zoom.us/j/94020878101?pwd=Ujl2RVl5NityQVBqcnhnUmtjVXo3Zz09>

Meeting ID: 940 2087 8101

Passcode: 874630

**E. ASSIGNMENTS:** Topics will be covered as listed in the course outline. The reading assignments should be skimmed before the topic is covered in lecture. This means that you are not expected to have understood all the material in the reading, but you should be familiar with the major themes and vocabulary. Material from both the lectures and readings will be tested on the exams. Associated with each chapter are assignments in Mastering Biology that are not graded but will prepare you for the quizzes to be taken in Canvas. The calendar in Canvas will list when a quiz opens and when it closes. Quizzes must be completed during the scheduled time.

## F. GRADING:

Exams 1-3 and grades on Mastering Assignments and Quizzes, top three counted (100 pts/exam + 100 points from Mastering Assignments & Quizzes) =	67.5% of grade
Exam 4 (grade cannot be dropped) =	22.5% of grade (100 points)
Top Hat participation points =	5% of grade (1 point per day)
Top Hat accuracy points =	<u>5% of grade</u> (1 point per day)
Total	100%

Exams 1-3 and Quizzes on Mastering Assignments will account for 67.5% of your final grade. We will drop the lowest of the three exams or Quizzes on Mastering Assignments score. **There will be no make-up exams. If you miss an exam that will be the grade that is dropped.** For example, if a student earns:

75% on Exam I,

80% on Exam II,

80% on Exam III,

90% on the Mastering Assignments and Quizzes on Mastering Assignments,

We would drop the 75% score from Exam I.

Each exam will cover roughly one-quarter of the course and consist of roughly 50 multiple-choice questions and 10 free response questions. The first three exams will be during class time (see syllabus). The fourth exam (Monday, December 21) is non-cumulative and will cover only the last quarter of the course material; the score of that exam *cannot* be dropped.

Top Hat points will be worth 10% of your final grade and will be based on participation and the accuracy of your answers. One Top Hat participation score will be dropped each half (i.e. one could miss one Top Hat participation each half semester and still receive full marks) and the lowest one-third of your Top Hat accuracy scores in each quarter will be dropped. A current average of your Top Hat points will be kept for you in Canvas. Because your grades will be posted in Canvas (including your overall average) it will be your responsibility to check how you are doing in the course as the semester progresses.

## G. THE USE AND GRADING POLICY OF “EMBEDDED CLASS QUESTIONS USING TOP HAT”:

A Top Hat account will be provided to you at no cost. You will just need a phone or computer to answer questions when you are in class. Within the Top Hat grading, two Top Hat classes can be missed with no detrimental effect on Top Hat participation points. Because the lowest third of Top Hat accuracy points are not incorporated in the calculation for Top Hat accuracy. Students who miss classes generally do poorly in spite of the fact that the Top Hat scores are not strongly affected.

**Biol 119 Fall 2020**

**Join Code: 560709**

## H. GRADING SCALE

Letter grades will be awarded based on the following point distribution:

A 92.5-100%	B+ 86.5-89.49	C+ 76.5-79.49	D 59.5-69.49
A- 89.5- 92.49	B 82.5- 86.49	C 72.5- 76.49	E <59.5
	B- 79.5-82.49	C- 69.5-72.49	

## I. LEARNING OUTCOMES FOR BIOL. 119

Upon completion of this course students will be able to:

1. Describe the diversity and unity of organisms: identifying characteristics that unify major taxa and recognizing the relationships among major taxa.
2. Describe the basic structure of the major groups of organisms and how this structure develops.
3. Describe the structures and processes that allow organisms to perpetuate their lives and eventually reproduce.
4. Discuss the basic nutritional needs of organisms and the diverse ways that these needs are met.
5. Demonstrate understanding of the levels of biological organization of living things above the level of cells including: tissues, organs, organ systems, organisms, populations, communities, and ecosystems.
6. Discuss factors that determine the distribution and abundance of organisms.
7. Apply knowledge of biological systems to solve novel problems in case studies in and outside of class.

## J. QUIZZES IN MASTERING BIOLOGY

Homework quizzes are found in Canvas. Quizzes open at **1:00 pm on the first date listed** and must be completed by **11:30 am** the next morning.

Quiz #	Quiz Date	Lecture Dates covered on Quiz	Chapters covered on Quiz	Instructor
1	Sep. 8 - 9	Aug. 31 – Sept. 9	18	Dr. O'Donnell
2	Sep. 22 - 23	Sep. 14 – 23	19 - 22	“
3	Oct. 11 - 12	Oct. 5 – 12	23 - 26	“
4	Oct. 20 - 21	Oct. 14 – 21	27, 28	“
5	Nov. 3 - 4	Oct. 28 – Nov. 4	16, 17, 31	Ms. Clinton
6	Nov. 15 - 16	Nov. 9 – 16	32, 33	“
7	Dec. 1 - 2	Nov. 23 – Dec. 2	34, 35	“
8	Dec. 13 - 14	Dec. 7 - Dec. 14	36, 37, 38	“

## K. ATTENDANCE

In the context of the COVID-19 pandemic, it is vital that we all do what we can to protect the health and safety of each other. If you are feeling unwell on a day that class meets in-person, do not attend. Remember that it is better to stay home if you are not feeling well than to attend class and risk spreading illness to others. Throughout the semester, please be proactive in communicating about absences and contact the Dean of Students if you expect to be out for an extended period of time. Rest assured that there will be no penalty for missing class and that I've designed our course so that there's a path for you to make up any learning that takes place in a class meeting you miss.

The college has developed an online COVID-19 screening report for students. Be sure to familiarize yourself with this process and complete the brief screening report before leaving for class. If you are experiencing common symptoms of COVID-19, stay home and contact Health and Counseling Services as soon as possible. I strongly encourage you to set a daily reminder to fill out the screening report.

## **L. FACE-MASKS**

Face masks are required in all instructional spaces (including classrooms, lecture halls, and laboratories) and all common areas including residence halls and academic buildings. If you forget your mask, please be sure to pick up a disposable one before entering the classroom. Masks must be worn for the duration of class. If you do not have a mask or are unwilling to wear one, you will be asked to leave the classroom. We cannot safely hold class if students are not wearing face masks.

If you would feel more comfortable or if my teaching could be more accessible if we wear a clear face mask, please let me know as soon as possible. Students who have concerns about wearing a face mask due to a documented disability need to contact the Office of Accessibility Services ([access@geneseo.edu](mailto:access@geneseo.edu)) to request reasonable accommodations

Please familiarize yourself with any special seating arrangements in the classroom and be sure to practice 6-foot physical distancing at all times. This includes entering and exiting the classroom.

## **M. ADDITIONAL INFORMATION AND RESOURCES**

### **Geneseo Mission and Values**

SUNY Geneseo has several core documents that articulate our shared commitments and learning objectives. These include:

- SUNY Geneseo Mission, Vision and Values: <https://www.geneseo.edu/about/mission-vision-and-values>
- Community Commitment to Diversity, Equity, and Inclusion: <https://www.geneseo.edu/diversity/commitment>
- Geneseo Learning Outcomes for Baccalaureate Education: <https://www.geneseo.edu/provost/globe-geneseo-learning-outcomes-baccalaureate-education>

### **Bias-Related Incidents**

“We are here to listen, to learn, to teach, to debate, to change, to grow. We should all be safe to pursue these goals at SUNY Geneseo while being who we are. Together, we commit ourselves to pluralism, cultivating a community that respects difference and promotes a sense of inclusion and belonging.”

As this excerpt from our Community Commitment to Diversity, Equity, and Inclusion states, here at SUNY Geneseo, we want to provide a space where everyone feels welcome to learn and grow in their identities as well as in their role as students, faculty, and staff. If in the unfortunate instance you experience an incident of bias, we encourage you to reach out to the Chief Diversity Officer ([routenberg@geneseo.edu](mailto:routenberg@geneseo.edu)) and/or our University Police Department. In trying to create an environment that facilitates growth through diverse thoughts and ideas, reporting incidents of bias - including threats, vandalism, and microaggressive behaviors - can help bring a better understanding of our campus climate as well as provide opportunities for learning and restoring harm.

## **Disability Accommodations**

SUNY Geneseo will make reasonable accommodations for persons with documented physical, emotional, or cognitive disabilities. Accommodations will be made for medical conditions related to pregnancy or parenting. Requests for accommodations including letters or review of existing accommodations should be directed to the Office of Accessibility, Erwin Hall 22 or [access@geneseo.edu](mailto:access@geneseo.edu) or 585-245-5112. Students with letters of accommodations should submit a letter to each faculty member at the beginning of the semester and discuss specific arrangements. Additional information on the Office of Accessibility is available at <https://www.geneseo.edu/accessibility-office>.

## **Well-Being**

Prioritizing well-being can support the achievement of academic goals and alleviate stress. Eating nutritious foods, getting enough sleep, exercising, avoiding drugs and alcohol, maintaining healthy relationships, and building in time to relax all help promote a healthy lifestyle and general well-being.

Concerns about academic performance, health situations, family health and wellness (including the loss of a loved one), interpersonal relationships and commitments, and other factors can contribute to stress. Students are strongly encouraged to communicate their needs to faculty and staff and seek support if they are experiencing unmanageable stress or are having difficulties with daily functioning. The Dean of Students (585-245-5706) can assist and provide direction to appropriate campus resources. For more information, see [www.geneseo.edu/dean\\_students](http://www.geneseo.edu/dean_students).

## **Mental Health**

As a student, you may experience a range of challenges that can impact your mental health and thus impact your learning; common examples include increased anxiety, shifts in mood, strained relationships, difficulties related to substance use, trouble concentrating, and lack of motivation, among many others. These experiences may reduce your ability to participate fully in daily activities and affect your academic performance.

SUNY Geneseo offers free, confidential counseling for students at the Lauderdale Center for Student Health and Counseling, and seeking support for your mental health can be key to your success at college. You can learn more about the various mental health services available on campus at [health.geneseo.edu](http://health.geneseo.edu).

## **Academic Support Services**

The campus provides a range of support services to help students thrive in their classes. These services include:

- Tutoring, both drop-in and by-appointment, with student tutors in the Writing Learning Center, the Math Learning Center, and a range of department-based tutoring centers
- Online tutoring through the SUNY-wide STAR-NY system ([www.starny.org/tutoring\\_schedule](http://www.starny.org/tutoring_schedule))
- Supplemental Instruction, in which trained student assistants review lecture material from specific classes

Information on times and locations is available through the Center for Academic Excellence website at [www.geneseo.edu/library/center-academic-excellence](http://www.geneseo.edu/library/center-academic-excellence).

## **Library Research Help**

Milne Library has an award-winning staff trained in finding the best information. They have created online research guides, self-help databases, and are available for individual consultation. Research Librarians are available for walk-in consultations and students may request appointments with staff experts in particular fields. Full information on Milne Library research resources, hours, and consultation options is available at [www.geneseo.edu/library/ask-us](http://www.geneseo.edu/library/ask-us).

## **Academic Integrity and Plagiarism**

Milne Library offers frequent workshops to help students understand how to paraphrase, quote, and cite outside sources properly. These sessions are meant to educate about the importance of using original ideas and language, and how to incorporate paraphrases and quotes into writing. The complete list of library workshops can be found at [www.geneseo.edu/library/library-workshops](http://www.geneseo.edu/library/library-workshops).

Academic dishonesty includes cheating, knowingly providing false information, plagiarizing, and any other form of academic misrepresentation. College policies and procedures regarding academic dishonesty are available at [www.geneseo.edu/handbook/academic-dishonesty-policy](http://www.geneseo.edu/handbook/academic-dishonesty-policy).

## **Computer and Technology Support**

For assistance with your computer or mobile device, visit the CIT HelpDesk in Milne Library. CIT provides self help guides on a range of computer issues, including access to the campus network, Canvas, printing, software guides, and other resources.

The CIT Self Help Guides at [wiki.geneseo.edu/display/cit/CIT+Self+Help](http://wiki.geneseo.edu/display/cit/CIT+Self+Help) can be helpful in finding quick solutions to basic technology issues.

CIT also provides free access to over 7,500 online tutorials for software, digital tools, web development, programming, and design through [lynda.com](http://lynda.com) training resources available at [wiki.geneseo.edu/display/cit/Lynda.com+Training+Library](http://wiki.geneseo.edu/display/cit/Lynda.com+Training+Library).

## **Food Security for SUNY Geneseo Students**

SUNY Geneseo students who find themselves in a position of food insecurity and do not have the financial resources to support their food and nutrition needs can access the Geneseo Groveland Food Pantry located at the First Presbyterian Church, 31 Center Street in Geneseo. Students can utilize the pantry once with no referral or contact with the College. At this visit they will be provided items that will address their basic needs for several days. If a student continues to face difficulties providing for their own nutritional needs beyond their first visit to the pantry they should connect with Susan Romano, Director of Financial Aid to receive a brief letter that they will present to the staff at the pantry that verifies their need. If students do not have a FAFSA on file for any reason they should contact Dr. Leonard Sancilio, Dean of Students, to discuss their particular situation and options.

The Geneseo Groveland Food Pantry is open on the following days and times:

Tuesday: 10 AM - 2 PM

Wednesday: 4 PM - 6:30 PM

Thursday: 10 AM - 2 PM

If you have any questions please contact Dr. Leonard Sancilio, Dean of Students at: [sancilio@geneseo.edu](mailto:sancilio@geneseo.edu) or 585-245-5706.