

# BSC 2011: General Biology 2

Section 2 and Section 3

Dept. of Biology, College of Science

Fall 2020

## Instructor Information

- Instructor: Dr. Melinda Donnelly
- Office Location: Discussion Board on Webcourses
- Office Hours: M: 1:30-3:20, W: 1:30-3:20 (schedule subject to change and will be posted on Webcourses)
- **Contact Information**
  - Email: [Melinda.Donnelly@ucf.edu](mailto:Melinda.Donnelly@ucf.edu)
  - All emails will receive a response within 24-48 hours, excluding weekends
  - UCF policy requires students to use KnightsMail when contacting faculty, any emails sent from other programs will not receive a response
  - Email must include the following information
    - Salutation
    - Your name
    - Your UCF ID
    - Include that you are enrolled in Biology II and Section Number
    - **Before emailing me with a question about course policies, you must read the lecture syllabus to find the answer yourself.**

## Course Information

- Term: Fall 2020
- Course Number & Section: BSC2011.002 and BSC2011.003
- Course Name: General Biology 2
- Credit Hours: 4
- Class Meeting Days: This semester will be primarily asynchronous and can be completed at your own pace. See class schedule for live lectures (not mandatory) and exam days. **Exam days are the only days students will be required to attend during scheduled time below.**
- Class Meeting Time
  - Section 2: 1:30-2:20
  - Section 3: 2:30-3:20
- Course Modality: V

## Enrollment Requirements

Course Prerequisites: BSC 2010 (General Biology I) or equivalent course

Course Co-requisites: BSC 2011 Laboratory is a required component of this course

## Course Description

BSC 2011 (Biology 2) is the second of a two semester General Biology sequence. Biology 2 builds on concepts from BSC 2010 and serves as a pre-requisite for other upper level biology courses and/or for admission requirements for many post-graduate programs. The course is divided into 3 main themes:

1. Evolution
2. Biodiversity
3. Ecology

## Course Materials and Resources

### Required Materials/Resources

**Textbook:** The required textbook for this course [OpenStax Biology 2e](https://openstax.org/details/books/biology-2e) is available for **free** online.

Print ISBN 1947172514

Digital ISBN 1947172522

[www.openstax.org/details/books/biology-2e](https://www.openstax.org/details/books/biology-2e)

Since this textbook is an Open Educational Resource (OER), specific sections of the text, relevant to this course, have also been integrated into Webcourses Modules. **Students are highly encouraged to utilize this curated version of the online text in order to focus on the necessary content in an efficient manner.**

Students can also access the full text book in one of the following ways:

- [Online web view, \(Links to an external site.\)](#) for free -- the responsive design works on any device.
- [Download the PDF \(Links to an external site.\)](#) for free -- it is recommended that you download the PDF in case of technical issues with the publisher website.
- [Purchase the book on iBooks \(Links to an external site.\)](#) at a relatively low cost.
- [Purchase a print version \(Links to an external site.\)](#) at a relatively low cost via the campus bookstore or from OpenStax on Amazon.com.

### Internet Access and Webcourses

- Webcourses will be used for aspects of this class, including class related material and communication:
  - Lecture and Laboratory Syllabi
  - Weekly Modules

- Videos of lecture
- Exam review material
- Weekly Quizzes, Participation Assignments
- Announcements
  - To ensure that you receive important announcements, you are required to have your announcements setting turned on. You are responsible for information sent to students via Webcourses Announcements.
- Grades for all course components

## **Student Learning Outcomes**

- Given terms and facts pertaining to evolution, biodiversity, and ecology, students will be able to classify them correctly.
- Given biological examples, students will be able to correctly differentiate how they relate to evolutionary concepts and theories.
- Given phylogenetic relationships, students will be able to correctly interpret the level of organisms' relatedness.
- Given organismal features, students will be able to correctly reconstruct phylogenetic classifications.
- Given real biological observations, students will be able to correctly implement the concepts of evolution and biodiversity.
- Given the descriptive characteristics of animals, students will be able to correctly identify distinguishing features of animals in general as well as key features of major animal divisions from simple invertebrates through advanced vertebrates.
- Given the characteristics of a given ecosystem, students will be able to make connections between biotic and abiotic factors and understand how organisms are linked to their environment as well as each other through trophic level interactions.

## **Course Activities**

- Pre-Unit Quizzes
- Weekly Chapter Readings
- Video Lectures for Weekly Topics with Participation Quizzes
- Weekly Content Quizzes
- Active Learning Activities with Live Lectures
- 4 Lecture Exams
- Final Exam (non-cumulative)
- Laboratory
- Extra credit opportunities will be provided at the discretion of the instructor

## **Assessment and Grading Procedures**

Assessment	Percentage of Grade
Participation	5%
Active Learning Activities	5%
Pre-Unit Quizzes	5%
Weekly Quizzes	10%
Three highest scoring lecture exams (12.5% each, drop lowest grade of lecture exams)	37.5%
Final Exam (Exam 5, cannot be dropped)	12.5%
Laboratory	25%
Total	100%

Final letter grades for the semester will use the following grading scale:

Letter Grade	Percent
A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

Semester grades will be based on the grading scheme above. Overall semester grades will NOT be rounded. In other words, a 79.99 is a “C.” With so many students in this course, we strive for consistency and fairness. For this reason, there will be no additional assignments or end-of-semester extra credit given. There will be no “retakes” on any exam, assignment, or laboratory exercise.

\*In compliance with FERPA, no grades will be given via email or phone

- - Students wishing to discuss their grades must request an appointment with Dr. Donnelly by email.
  - Grades will not be discussed with any individual (even parents) other than the student

## Course Activity Details

### Attendance Verification for Financial Aid Students

- Faculty are required to document student attendance/participation in this course so that financial aid monies are disbursed appropriately and in a timely manner.

- To document your attendance and participation in this course you are required to complete the [Academic Engagement Activity - Syllabus Quiz](#) in Webcourses no later than Friday, August 28th.
  - Failure to complete this quiz will result in the delay of your financial aid funds
  - This quiz is related to the lecture syllabus. Your score on this quiz will not count towards your grade in this course, but students who complete this quiz by 5 pm on August 28th will receive 1 bonus raw point towards exam 1.

### **General Participation Grade (5% of semester grade)**

- Your Participation grade will be evaluated based on responses to questions embedded in weekly video lectures and discussion postings. At the end of the semester, the lowest 2 participation grades will be dropped. Contact Dr. Donnelly if additional participation activities are missed; documentation may be required at the discretion of instructor for additional excused participations.

### **Active Learning (5% of semester grade)**

- - Will use Webcourses quizzes for submission and grading
  - Assignment information will be available on Webcourses one week before scheduled live lecture (see Course Schedule for dates). The live lecture associated with each Active Learning Activity will go over the material and questions and provide opportunities for students to ask questions.
  - The lowest scoring assignment will be dropped
  - See Course Schedule for Active Learning Dates

### **Pre-Unit Quizzes (5% of semester grade)**

- At the start of each new unit, a pre-unit quiz will test your existing knowledge of the material to be covered.
- Pre-Unit Quizzes will open the day after the previous unit exam and will be available for one week after opening.
- You will have unlimited time to complete the quiz, but only one attempt.
- You will receive credit for completing the pre-unit quiz within the open timeframe- correct answers are not necessary to receive credit, so answer to the best of your ability.
- **Important: There are NO makeups or excused absences for missed Pre-Unit Quizzes** (unless a student can provide documentation affecting them longer than 1 week, e.g. extended hospitalization, sequestered jury duty, etc. that prevented computer access).
- Technical or internet difficulties will NOT be accepted as an excuse for missing Assignments.
- Students are responsible for knowing the assignment due dates which can be found on Webcourses.

### **Weekly Quizzes (10% of semester grade)**

- There will be nine online quizzes given through Webcourses, one per week except for the first week of classes and any week an exam is being given.
- Each quiz will consist of 10 multiple choice questions based on module content.
- These quizzes are intended to help you learn along the way. The quizzes are open-book and un-timed but you only have **ONE (1)** attempt to take the quiz.
- Your **lowest (1) quiz grade will be dropped** from your final grade.
- Quizzes will be available to students for one week, opening on **Mondays** and closing at **11:59PM the following Monday**.
- **Important: There are NO makeups or excused absences for missed quizzes** (unless a student can provide documentation affecting them longer than 1 week, e.g. extended hospitalization, sequestered jury duty, etc. that prevented computer access).
- If you miss taking a quiz, you will receive a zero (0) for that quiz's grade. Therefore, do NOT wait until the last minute to take the quiz.
- Technical or internet difficulties will NOT be accepted as an excuse for missing quizzes.
- Students are responsible for knowing the quiz due dates which can be found on Webcourses.

### Lecture Exams Details (37.5% of semester grade)

- Four multiple choice exams will be given throughout the semester
  - Exam 1: Wednesday, Sept. 16th
  - Exam 2: Monday, October 5th
  - Exam 3: Friday, October 23rd
  - Exam 4: Friday, November 13th
- The lowest scoring lecture exam will be dropped
- The three highest scoring exams are worth 12.5% each of final grade
- Exam content is based on material covered in modules.
- Exams are open notes and open book, however, Lockdown browser will be required when taking the exam.
  - Review the information about LockDown Browser and download at: [https://cdl.ucf.edu/support/webcourses/respondus/download/Links to an external site](https://cdl.ucf.edu/support/webcourses/respondus/download/Links%20to%20an%20external%20site).
  - Once installed, test your browser with this practice quiz: [LockDown Browser Practice Quiz- Requires Respondus LockDown Browser](#)
- Exam Protocol
  - Failure to take the exam in the correct lecture section during the scheduled time will result in a zero (0) grade for the exam
  - Exams will start on Webcourses promptly at your scheduled class time (Section 2: 1:30-2:30 pm; Section 3: 2:30-3:20 pm) and you will have 50 minutes to complete.
    - See your schedule in myUCF to determine your registered section number.
  - Any students signing in late to the exam must complete the exam in the time remaining

- Students must take lecture exams during the scheduled lecture section in which they are enrolled

### **Final Exam Details (12.5% of semester grade)**

- - - The final exam must be completed during your scheduled lecture section:
      - **Section 2 Final Exam will be on Monday, Dec. 7th from 1 pm to 3:50 pm.**
      - **Section 3 Final Exam will be on Wednesday, Dec. 9th from 1 pm to 3:50 pm.**
      - There are no alternative final exam times
      - Missing the final exam due to oversleeping, not being aware of the day/time, etc. will result in a zero score.
    - The final exam begins promptly at the scheduled start time
      - Students logging in late must complete the exam in the time remaining
      - Students who miss their final exam time for unexcused reasons are not guaranteed a make-up opportunity. If such an opportunity is provided, the final exam score will be penalized 10%.
    - The final exam will be not cumulative and covers material from the last modules of the semester.
    - Exams are open notes and open book, however, Lockdown browser will be required when taking the exam.
    - The final exam is **required** and **cannot be dropped**

### **Laboratory Grade Details (25% of semester grade)**

- There is a **REQUIRED** laboratory component to BSC 2011C.
- All detailed information concerning the laboratory will be covered in the separate laboratory syllabus found in your laboratory section's Webcourses.
- Please direct all lab-related questions and grading to your GTA. Dr. Donnelly can NOT answer lab content or lab logistic questions.

### **Make-up Exams and Assignments**

Per university policy, you are allowed to submit make-up work (or an equivalent, alternate assignment) for authorized university-sponsored activities, religious observances, or legal obligations (such as jury duty). If this participation conflicts with your course assignments, I will offer a reasonable opportunity for you to complete missed assignments and/or exams. The make-up assignment and grading scale will be equivalent to the missed assignment and its grading scale. In the case of an authorized university activity, it is your responsibility to show me a signed copy of the Program Verification Form for which you will be absent, prior to the class in which the absence occurs. Other absences may require documentation to be excused at the

instructor's discretion. In any of these cases, please contact me ahead of time to notify me of upcoming needs.

Consult the latest Undergraduate or Graduate [catalog](#) for regulations and procedures regarding grading such as Incomplete grades, grade changes, and grade forgiveness.

## Course Schedule

**\*\*\*Important: The only official scheduled class times you are required to attend are the ones on exam dates listed below. You will be required to complete the exam on Webcourses during your scheduled class time as listed on your official UCF schedule on myUCF.**

Weekly modules will open on Mondays (with a few exceptions based on exam dates) and include lecture files and links to on-line resources associated with the topics included in the textbook chapters listed below. The modules are designed for you to complete at your own pace over the course of the week. On all weeks except exam weeks, quizzes will open on Monday with the module information and be due by 11:59 pm on the following Monday. Quizzes will test knowledge of material presented in the weekly module and associated textbook readings.

Live lectures during the scheduled class times are listed in the schedule below. These will go over the information included in the Active Learning Activity packets for each unit and will be an exam review. These are not mandatory for attendance and will be posted on Webcourses if you can not attend during the normal class time. Weekly virtual office hours will be scheduled during class times and announced on the Webcourses homepage. Any changes to the schedule will be announced to the class through Webcourses.

Date	Weekly Modules	Textbook Chapters	Weekly Quizzes
Aug 24	<a href="#">Module 0: Getting Started</a> Open		
Aug 26	<a href="#">Module 1: Introduction to Evolution</a> Open	18	
Aug 28			<a href="#">Academic Activity- Syllabus Quiz</a> Due by 5 pm
Aug 31	Module 2: Evolution of Populations Open	19	
Sept 2			



Sept 4	<u>Active Learning #1 *Live lecture at scheduled class time</u>		
Sept 7	<b>No Class: Labor Day</b>		*Quiz 1 due on Sept. 8th due to Holiday
Sept 9	Module 3: Organizing Life	20.1, 20.2	
Sept 11			
Sept 14	<u>Active Learning #2 *Live lecture at scheduled class time</u>		Quiz 2 due
<b>Sept 16</b>	<b>Exam 1 *Must be completed during class time</b>		
Sept 18	Module 4: Diversity of Life: Microbes Opens	21.1, 21.2, 22, 23.1, 23.2, 23.4	
Sept 21	Module 4 Continued	21.1, 21.2, 22, 23.1, 23.2, 23.4	
Sept 23			
Sept 25			
Sept 28	Module 5: Diversity of Life: Fungi Opens	24	Quiz 3 due
Sept 30			
Oct 2	<u>Active Learning #3 *Live lecture at scheduled class time</u>		
<b>Oct 5</b>	<b>Exam 2 *Must be completed during class time</b>		Quiz 4 due
Oct 7	Module 6: Diversity of Life: Seedless Plants Opens	25.1, 25.3, 25.4	
Oct 9			
Oct 12	Module 7: Diversity of Life: Seed Plants Opens	26.1, 26.4, 26.2, 32.1, 26.3, 32.1	

Oct 14			
Oct 16			
Oct 19	Module 8: Plant Structure and Function Opens	30	Quiz 5 due
Oct 21	<u>Active Learning #4 **Live lecture at scheduled class time</u>		
<b>Oct 23</b>	<b>Exam 3 *Must be completed during class time</b>		
Oct 26	Module 9: Diversity of Life: Animals Opens	27.1, 27.2, 27.3, 27.4, 28, 33.1, 33.2	
Oct 28			
Oct 30			
Nov 2	Module 10: Diversity of Life: Vertebrate Animals Opens	28, 29, 33.1, 33.2	Quiz 6 due
Nov 4			
Nov 6			
Nov 9	<u>Active Learning #5 *Live lecture at scheduled class time</u>		Quiz 7 due
Nov 11	<b>No Class: Veteran's Day</b>		
<b>Nov 13</b>	<b>Exam 4 *Must be completed during class time</b>		
Nov 16	Module 11: Introduction to Ecology and the Biosphere Opens	44	
Nov 18			
Nov 20			

Nov 23	Module 12: Population Ecology and Community Ecology Opens	45	Quiz 8 due
Nov 25	<b>No Class: Thanksgiving</b>		
Nov 27	<b>No Class: Thanksgiving</b>		
Nov 30	Module 13: Ecosystems and Conservation of Biodiversity Opens	46, 47	
Dec 2			
Dec 4	<u>Final Exam Review *Live lecture at scheduled class time</u>		
Dec 7	<b>Final Exam <u>Section 2</u>: 1:30-2:20 *Must be completed during class time</b>		Quiz 9 due
Dec 9	<b>Final Exam <u>Section 3</u>: 2:30-3:20 *Must be completed during class time</b>		
Dec 11			

## COVID-19 and Illness Notification

Students who believe they may have a COVID-19 diagnosis should contact UCF Student Health Services (407-823-2509) so proper contact tracing procedures can take place.

Students should not come to campus if they are ill, are experiencing any symptoms of COVID-19, have tested positive for COVID, or if anyone living in their residence has tested positive or is sick with COVID-19 symptoms. CDC guidance for COVID-19 symptoms is located here: (<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>)

Students should contact their instructor(s) as soon as possible if they miss class for any illness reason to discuss reasonable adjustments that might need to be made. When possible, students should contact their instructor(s) before missing class.

### In Case of Faculty Illness

If the instructor falls ill during the semester, there may be changes to this course, including having a backup instructor take over the course. Please look for announcements or mail in Webcourses@UCF or Knights email for any alterations to this course.

---

# University Services and Resources

## Academic Services and Resources

A list of available academic support and learning services is available at [UCF Student Services](#). Click on "Academic Support and Learning Services" on the right-hand side to filter.

## Non-Academic Services and Resources

A list of non-academic support and services is also available at [UCF Student Services](#). Click on "Support" on the right-hand side to filter.

If you are a UCF Online student, please consult the [UCF Online Student Guidelines](#) for more information about your access to non-academic services.

## Policy Statements

### [Academic Integrity](#)

Students should familiarize themselves with [UCF's Rules of Conduct](#). According to Section 1, "Academic Misconduct," students are prohibited from engaging in:

- *Unauthorized assistance*: Using or attempting to use unauthorized materials, information or study aids in any academic exercise unless specifically authorized by the instructor of record. The unauthorized possession of examination or course-related material also constitutes cheating.
- *Communication to another through written, visual, electronic, or oral means*: The presentation of material which has not been studied or learned, but rather was obtained through someone else's efforts and used as part of an examination, course assignment, or project.
- *Commercial Use of Academic Material*: Selling of course material to another person, student, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the university and the instructor. Course materials include but are not limited to class notes, Instructor's PowerPoints, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, etc.
- *Falsifying or misrepresenting* the student's own academic work.
- *Plagiarism*: Using or appropriating another's work without any indication of the source, thereby attempting to convey the impression that such work is the student's own.
- *Multiple Submissions*: Submitting the same academic work for credit more than once without the express written permission of the instructor.
- *Helping another violate* academic behavior standards.

For more information about Academic Integrity, students may consult [The Center for Academic Integrity](#).

For more information about plagiarism and misuse of sources, see “[Defining and Avoiding Plagiarism: The WPA Statement on Best Practices](#)”.

### **Responses to Academic Dishonesty, Plagiarism, or Cheating**

Students should also familiarize themselves with the procedures for academic misconduct in UCF’s student handbook, [The Golden Rule](#). UCF faculty members have a responsibility for students’ education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to academic misconduct. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a "Z Designation" on a student’s official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://goldenrule.sdes.ucf.edu/zgrade>.

### **Course Accessibility Statement**

The University of Central Florida is committed to providing access and inclusion for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need specific access in this course, such as accommodations, should contact the professor as soon as possible to discuss various access options. Students should also connect with [Student Accessibility Services](#) (Ferrell Commons, 7F, Room 185, [sas@ucf.edu](mailto:sas@ucf.edu), phone (407) 823-2371). Through Student Accessibility Services, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential access and accommodations that might be reasonable.

### **Campus Safety Statement**

#### ***Fully online course sections (W, V)***

Though most emergency situations are primarily relevant to courses that meet in person, such incidents can also impact online students, either when they are on or near campus to participate in other courses or activities or when their course work is affected by off-campus emergencies. The following policies apply to courses in online modalities.

- To stay informed about emergency situations, students can sign up to receive UCF text alerts by going to <<https://my.ucf.edu>[Links to an external site.](#)> and logging in. Click on “Student Self Service” located on the left side of the screen in the toolbar, scroll down to the blue “Personal Information” heading on the Student Center screen, click on “UCF Alert”, fill out the information, including e-mail address, cell phone number, and cell phone provider, click “Apply” to save the changes, and then click “OK.”
- Students with special needs related to emergency situations should speak with their instructors outside of class.

## **Deployed Active Duty Military Students**

Students who are deployed active duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible after the semester begins and/or after they receive notification of deployment to make related arrangements.

## **Copyright**

This course may contain copyright protected materials such as audio or video clips, images, text materials, etc. These items are being used with regard to the Fair Use doctrine in order to enhance the learning environment. Please do not copy, duplicate, download or distribute these items. The use of these materials is strictly reserved for this online classroom environment and your use only. All copyright materials are credited to the copyright holder.

## **Third-Party Software and FERPA**

During this course you might have the opportunity to use public online services and/or software applications sometimes called third-party software such as a blog or wiki. While some of these could be required assignments, you need not make any personally identifying information on a public site. Do not post or provide any private information about yourself or your classmates. Where appropriate you may use a pseudonym or nickname. Some written assignments posted publicly may require personal reflection/comments, but the assignments will not require you to disclose any personally identity-sensitive information. If you have any concerns about this, please contact your instructor.