

# Biology II (BSC2011C) Lecture Syllabus: Fall 2013

## LECTURE TIMES/LOCATION:

Section 1: MWF 10:30 am – 11:20 am, Location: HEC 125

Section 2: MWF 1:30 pm – 2:20 pm, Location: HEC 125

**INSTRUCTOR:** Dr. Gregg Klowden (see below for contact information)

**BIOLOGY II COURSE/LAB COORDINATOR:** Ms. Michele Yeargain (see below for contact information)

## CONTACT INFORMATION:

\*\*\*Please Read Before Contacting Us\*\*\*

1. Prior to contacting us please be sure to check the syllabus and Webcourses FAQs for answers to your questions.
2. Emails must include ALL 4 of the following:
  - (A) Full name; (B) Course title (Biology 2); (C) Section number; (D) Descriptive subject.These are critical as we teach hundreds of students in different courses and sections. Additionally, your e-mail may be forwarded between the instructor, course coordinator, and graduate teaching assistants so this information is essential. Failure to include all of these may result in a delay in answering or no answer at all.
3. Only Emails from official UCF e-mail addresses accounts will receive replies, without exception.
4. Emails sent via the Webcourses mail system will not be answered.
5. Due to confidentiality, grades must be discussed in person and cannot be discussed via email.
6. We will try to respond within 24-48 hours however, response time may be greater. Please know that we have hundreds of students so there may be delays in responding. Plan accordingly by not waiting to the last minute to contact us with questions or concerns.
7. Do NOT leave phone messages as they will not be returned.

If your question is about:

A. procedures (e.g., grading, exam times, online resources, text book availability etc.),

please visit or email the **Biology II Coordinator**:

Ms. Michele Yeargain

Office: Biology 201B

Email: [michele.yeargain@ucf.edu](mailto:michele.yeargain@ucf.edu)

Office Hours: Ms. Yeargain is often in her office so stop by or email for an appointment

B. your lab, including grading, please email your **Graduate Teaching Assistant** (GTA) or see him/her during their office hours.

C. course content from lecture, please email the **instructor** or visit him during his office hours.

Dr. Gregg Klowden

Office: Biology 202A,

Eemail: [gklowden@ucf.edu](mailto:gklowden@ucf.edu) (Note: Do not leave phone messages)

Office Hours: Mondays 12:00-1:00, Wednesdays 2:40-3:40, Fridays 12:00-1:00, or by appointment

## COURSE DESCRIPTION:

BSC 2011 is the second of a two semester General Biology sequence. This course reviews biological diversity on earth, and is divided into four themes: 1. Evolution; 2. Biodiversity; 3. Anatomy & Physiology; and 4. Ecology. An integrated laboratory experience will develop your ability to think critically and to document, analyze and apply data effectively.

## REQUIRED RESOURCES:

- **Text** – *Campbell Biology, 9th Edition*. Pearson/Cummings Publishing Company, Inc.
- **Webcourses.ucf.edu** – Biology II is a web-enhanced class. Announcements, lecture notes, quizzes, grades, study tips, and relevant web links will be made available at this site. Use your PID and myUCF password to log in. Before emailing us, please check this site for frequently asked questions!
- **iClicker1 or iClicker2:** Available at book store. You may NOT use the Webclicker on your phone or computer.

## **EMAIL AND WEBCOURSES:**

You will be expected to have daily access to Webcourses since I will be consistently posting assignment updates, additions, changes, clarifications, etc. All students at UCF are required to obtain a Knight's Email account and check it regularly for official university communications. If you do not own a computer, there are computers accessible to you in all UCF's computer labs, and most computer labs have computers connected to the internet. For further information on computer labs, please see the following website: [http://registrar.sdes.ucf.edu/webguide/index\\_quickfind.aspx](http://registrar.sdes.ucf.edu/webguide/index_quickfind.aspx).

## **READINGS:**

Readings, for the most part, are designed to coincide with and supplement the lecture component of the course. The order of reading assignments is listed in the schedule. You are expected to have read the material prior to class.

## **LECTURES:**

Students should show proper classroom etiquette. Students should show up to class on time. Please do not be late or leave early, this disrupts the class. All cell phones, pagers, smartphones, etc. should be turned OFF when entering the classroom. Students who need to leave the lecture room early should sit at the rear of the classroom. Students should not disrupt other students (or the instructor) in class by talking unless instructed to do so by the instructor. People not adhering to these common courtesies will be asked to leave the class. Recording of lectures is permitted.

## **CLICKERS:**

You will need to bring your iClicker1 or iClicker2 to lecture each day. You may not use the webClicker on your phone, laptop, or tablet. Clickers will be used for in-class quizzes, opinion polls, on-the-fly knowledge assessments, and of course attendance. The required use of clickers will begin on **Wednesday 8/28**. You must have registered your iClicker by this day (see registration info below) or you will not receive credit. It is however advisable that you register it immediately so you can try it out in class before it counts. That way you can learn how to use it and fix any problems prior to it affecting your grade.

Most days in class, the professor will ask one or more questions for you to answer using your iClicker. Answering these questions is necessary to receive (A) Participation credit; (B) Extra credit.

### **(A) Participation:**

Clickers will be used to assess your overall attendance and participation. To receive credit for participation you must answer ALL questions from that day. The responses do not need to be correct for you to receive credit for participation but ALL questions asked that day must be answered. So, if you arrive late or leave early and a quiz question is asked to which you were unable to respond due to your absence, then you will not receive participation credit for that day even if you answered a question in the middle of class.

**\*\*\*NOTE\*\*\*** You may miss class two times and still receive full participation. So if your batteries run low (probably should bring extras just in case), you forgot your clicker, your car did not start, you are sick, etc. a couple of times, there is no need to contact the instructor or coordinator. More than two missed participation days will however result in reduction.

Your final participation grade is worth 4% of your overall grade. It will be calculated as follows:  
(# of days you participated / total # of days clickers were used) x 0.05. So, if there were 35 clicking days then with the two allowed absences we would count it as 33 clicking days. If you participated in 20 days then your participation grade will be  $(20/33) \times 0.04 = 0.024$  (2.4%) out of a maximum possible 0.04 (4%).

### **(B) Extra Credit**

While it is not necessary to respond correctly to questions to receive participation credit for a particular day, correct responses will benefit your grade via extra credit. The total of your in-class iClicker responses will be used as extra credit added to your overall exam average. The maximum possible extra credit will be 2%. This amount will be determined by multiplying your iClicker average by 2. So if you correctly answered 91% of the questions asked, you will receive a  $0.91 \times 2 = 1.82$  % extra credit added to your overall exam average. Extra credit points missed for any reason cannot be made up under any circumstance.

**\*\*\*NOTE\*\*\* All iClicker responses should be done on your own. Discussing answers with neighbors prior to clicking is considered cheating and will be dealt with as such (see ETHICS section).**

## EXAMS:

There will be three midterm exams and one final exam. All exam questions will be multiple choice. The three midterm exams will count 14% each and are not comprehensive, i.e. will only cover the material since the last exam. However, knowledge of previous material certainly will be helpful to your understanding of the current material. The final exam counts 20% and IS comprehensive, i.e. it will cover all material since the beginning of the semester. Approximately 40% will be from the unit following the 3<sup>rd</sup> midterm and the other 60% from the other 3 previous units. See the course schedule for exam dates.

## Lecture Exam Policies:

1. **All exam grades count towards your semester grade. No exam grades will be dropped.**
2. All exams will be based on both lecture material and text reading assignments.
3. You must bring:
  - a) a pencil
  - b) your UCF ID – **note:** failure to show your ID may result in a score of zero for the exam.
4. Scantron Policy: You are required to supply scantrons for your exams. Five (5) scantrons with **no markings** on them **MUST** be given to your lab teaching assistant by **September 6, 2013**. If no scantrons are submitted, you will receive a zero (0) on Exam 1.
5. Exams 1-3 will begin promptly at the beginning of class and each requires the full 50 minutes. The final exam will occur at the scheduled time during finals week (see class schedule) and will be a comprehensive 3-hour multiple choice final exam that is weighted toward the material covered after Exam 3 (~60% from previous material and 40% from the most recent material after exam 3). **Aim to arrive 10-15 minutes early for exams.** Once you have received the question paper you must take the exam.
6. **You must attend the exam for your correct session.** For example, if you are enrolled in the 10:30 – 11:20 am session you must take your exam at 10:30 – 11:20 am, and you will not be permitted to take an exam in the 1:30-2:20 session. There will be no exceptions to this policy. Similarly, you must take the final exam with your correct section.
7. **Do not arrive late.** A late student will be allowed access to the exam only at the discretion of the instructor/proctors. Under no circumstances will extra time be allowed.
8. Prior to the exam, all books, notes and bags must be placed in the front of the room. **There will be no exceptions to this policy.** Do not bring anything valuable with you to an exam. You are responsible for your own personal belongings. Electronic devices, including calculators are prohibited. Remove baseball caps or turn them backward while taking exams. Cell phones and PDAs must be turned OFF and stowed during the exam period.
9. Go to the restroom before the exam.
10. You must print your name, PID number and **laboratory section** on the scantron and question sheet, and both will be checked as you leave the exam. Failure to fill in correct identifying information may result in a zero for that exam.
11. Grades will be posted on WebCourses and we will inform the class when they are posted.
12. Scantrons will not be returned to students. Instead, each student will receive (during lab) an individual test report with all correct and incorrect responses marked on it.
13. **REVIEW OF EXAMS** - Exams may be reviewed with Ms. Yeagain in her office. Each exam must be reviewed prior to the next exam date (i.e. if you would like to review exam 1 this must be done before exam 2 is given).

## Missed Exam Policy:

1. Make-up exams for exams 1, 2, and 3 will be provided **only** for students who must miss the exam due to official University business at which your presence was required (e.g. a university-sponsored team event). **Hard-copy documentation must be provided 48 hours in advance from the appropriate university body.**
2. For all other cases (e.g. illness, unforeseen emergencies, etc.) you must contact the relevant professor promptly (within 48 hours or less) after missing the exam and provide **hard-copy documentation (a signed document from a doctor, police officer, judge etc. - not by e-mail) within one week.** The absence must have been caused by a valid emergency as defined by UCF and/or the professor, including but not limited to: major illness, serious family emergency, jury duty, military obligation, etc. **IF approved by the professor, your final exam grade will be used to replace the missed exam.** For example, if you missed exam 2, and your professor approved the substitution, and you earned an 85 on the final exam, then a score of 85 would be inserted for your exam 2 score and for your final exam score.
3. All students are required to take the final exam and there will be **no make-up exams for the Final.**

**ONLINE QUIZZES:** There will be four online quizzes that count for a total of 4% of your grade. These quizzes are intended to help you learn along the way. The quizzes are open-book, you can take a quiz as many times as you like while it is available (your best score is retained), and you may consult with others while taking the quiz (though for your benefit on the exams this is not recommended). See the course schedule for quiz opening and closing dates. You are responsible for reading the text and taking the quizzes on time. As the quizzes are available for one week, if you miss the due date it is not possible to retake the quiz. It is thus recommended not to wait until the last day to first attempt the quiz.

**GRADING:** You will receive one grade for BSC 2011 that combines your lecture and laboratory point totals. Exam scores will be posted on myUCF grades. No exam grades will be dropped (all exam grades count toward your course grade). No grades will be given over the phone or by email according to Federal law (FERPA regulations). The grading scale will be **A**= 90-100, **B**=80-89, **C**=70-79, **D**=60-69. **F** = below 60. Your grade will be calculated as follows:

	<u>Weight</u>
Lecture Exam 1	14%
Lecture Exam 2	14%
Lecture Exam 3	14%
Final Exam	20%
Online quizzes	4%
Participation	4%
<u>Lab Assessments</u>	<u>30%</u>
	100%

If you would like assistance in calculating your grade please visit <http://www.conquercollege.com/gradecalc/> This will give you a rough idea of your grade, based on your exam scores. However, it will not necessarily predict your exact score due to rounding errors and potential extra credit from iClickers.

**GRADE ROUNDING POLICY:** The overall semester grade will not be rounded. In other words, either you have the grade or you don't. In other words, a 79.99 is still a 'C'. As there are many students in this class we strive for consistency and fairness. For this reason, there will be no exceptions to this policy and no other adjustments will be made.

**CLASSROOM CONDUCT:** By enrolling at UCF, all students have agreed to abide by the Golden Rule. Please become familiar with this document at: <http://www.goldenrule.sdes.ucf.edu>. All students are expected to act maturely in the classroom and show consideration for their peers and the instructor. Please use common courtesy in class by arriving and departing on time and by not snoring or talking during class. **Turn off cell phones and other electronic devices.** Students who fail to abide by the above conduct will sing the Star Spangled Banner (especially the "and the rockets' red glare" part) and/or be invited to leave the class. Any student who consistently distracts other students or the instructor will be removed from the course. Students are responsible for announcements or assignments given during class or posted on WebCourses.

#### **ETHICS:**

UCF faculty supports the UCF Creed. Integrity - practicing and defending academic and personal honesty is the first tenet of the UCF Creed. This is in part a reflection of the second tenet, Scholarship: -I will cherish and honor learning as a fundamental purpose of membership in the UCF community. Course assignments and tests are designed to have educational value; the process of preparing for and completing these exercises will help improve your skills and knowledge. Material presented to satisfy course requirements is therefore expected to be the result of your own original scholarly efforts.

Plagiarism and cheating - presenting another's ideas, arguments, words or images as your own, using unauthorized material, or giving or accepting unauthorized help on tests or iClickers - contradict the educational value of these exercises. Students who attempt to obtain unearned academic credentials that do not reflect their skills and knowledge can also undermine the value of the UCF degrees earned by their more honest peers.

UCF faculty members have a responsibility for your education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to infringements of academic integrity. Penalties can include a Z-designation (see <http://z.ucf.edu/>), failing grade in an assignment or in the course, or suspension or expulsion from the university. See <http://www.osc.sdes.ucf.edu/> for more information about UCF's Rules of Conduct.

**Z-Designation:** A "Z-Designation" on a student's official transcript indicates academic dishonesty. If you are guilty of committing academic dishonesty, and it is determined that a "Z-designation" will be applied, you will be assigned a zero for the assignment, and your final grade will be preceded by the letter Z on your permanent UCF transcript. For more information about the Z-Designation, see <http://z.ucf.edu/>. Be aware that many infractions result in penalties more severe than the Z-designation such as a failing grade in an assignment or in the course, or suspension or expulsion from the university.

**DISABILITY ACCESS STATEMENT:**

The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students who need accommodations must be registered with Student Disability Services, Ferrell Commons Room 185, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.

**FINAL NOTE:**

The professor(s) reserve the right to change the syllabus and management of the class at any time during the semester. These changes will be announced in lecture.

**Clicker Information**



**iClicker2**

You can purchase or rent this from the UCF bookstore. You may use the older iClicker1 however the older version does not have an LCD making it more difficult for you to assess if your answer has been registered and the older unit is not likely to be usable by future classes (e.g. Ecology). If you have to purchase one, I would definitely go with the iClicker2. You may NOT use the online webClicker for your cell phone, computer, or tablet but must have an iClicker1 or iClicker2 remote. It is recommended to bring extra batteries to class.

***Registering your Clicker***

- Simply go to <http://www.iclicker.com/support/registeryourclicker/> to register your clicker and follow the instructions.

***Important Registration Information:***

- When entering your First and Last Names, please use your official names according to UCF. **No nicknames or petnames or aliases.**
- When asking for your Student ID, please use your official UCF **NID (Network ID)**, that is typically the first two letters of your first name followed by six (occasionally five) numbers.
- Your alphanumeric i>Clicker2 remote ID is found on a bar code sticker on the bottom of the back of your i>Clicker2 remote. It typically consists of eight numbers and letters. It is also inside the battery compartment.

***If you are having difficulty registering or using your iClicker contact a Technical Support Agent – ASAP***

Call **1-866-209-5658** and go through the phone tree to contact a Technical Support Agent.

## LECTURE/QUIZ/EXAM SCHEDULE: BSC 2011 FALL 2013 - Dr. Klowden

Yellow highlighted = exam or quiz date							
Chpt. = Chapter in Campbell et al. Biology 9th Edition							
	Date	Day	Lecture	Subject	Chpt.	Quiz	Lab
Aug	19	M	1	Introduction / History of Life on Earth	25		
	21	W	2	History of Life on Earth (cont)	25		Information Resources
	23	F	3	Evolution of Populations / Evolution of Species	23/24		
Aug	26	M	4	Evolution of Populations / Evolution of Species	23/24		
	28	W	5	Phylogeny and Systematics	26		Evolution
	30	F	6	Phylogeny and Systematics (cont)	26	1 opens	
Sep	2	M	-	<b>Labor Day holiday - No Classes</b>	-		
	4	W	7	Viruses	19		Phylogeny
	6	F	8	Bacteria and Archaea	27	1 closes	
Sep	9	M	9	Bacteria and Archaea (cont) / Protista	27/28		
	11	W	10	Protista (cont)	28		Prokaryotic Diversity
	13	F	11	TBA	-		
Sep	16	M	-	<b>Exam I - Lectures 1-11</b>	-		
	18	W	12	Fungi	31		Protista
	20	F	13	Fungi (cont) / Plant Diversity I	31/29		
Sep	23	M	14	Plant Diversity I (cont) / Plant Diversity II	29/30		
	25	W	15	Plant Diversity II (cont)	30		Seedless Plants
	27	F	16	Intor to Animal Diversity / Invertebrates	32/33	2 opens	
Sep	30	M	17	Invertebrates (cont)	33		
Oct	2	W	18	Invertebrates (cont)	33		Invertebrate Diversity
	4	F	19	Vertebrates	34	2 closes	
Oct	7	M	20	Vertebrates (cont)	34		
	9	W	21	Animal Form and Function	40		Invertebrate Anatomy
	11	F	22	Animal Nutrition	41		
Oct	14	M	-	<b>Exam II - Lectures 12-22</b>	-		
	16	W	23	Circulation and Gas Exchange	42		Vertebrate Anatomy
	18	F	24	Immune system	43		
Oct	21	M	25	Osmoregulation and Excretion	44		
	23	W	26	Endocrine System	45		Physiology
	25	F	27	Neurons, Synapses and Signaling	48	3 opens	
Oct	28	M	28	Sensory and Motor Mechanisms	50		
	30	W	29	Sensory and Motor Mechanisms (cont)	50		Sensory Systems
Nov	1	F	30	Plant Structure, Growth and Development	35	3 closes	
Nov	4	M	31	Plant Structure, Growth and Development (cont)	35		
	6	W	32	Angiosperm reproduction and Biotechnology	38		Plant Structure
	8	F	-	<b>Exam III - lectures 23-32</b>	-		
Nov	11	M	33	<b>Veteran's Day holiday - No classes</b>	-		
	13	W	34	Animal Behavior	51		Demography
	15	F	35	Introduction to Ecology	52		
Nov	18	M	36	Population Ecology	53		
	20	W	37	Population Ecology	53		No labs this week
	22	F	38	Community Ecology	54	4 opens	
Nov	25	M	39	Ecosystems	55		
	27	W	40	Conservation Biology	56		No labs this week
	29	F	39	<b>Thanksgiving - No Classes</b>	-	4 closes	
Dec	2	M	41	catchup	-		
		W	-	no class - study hard!	-		
		F	-	no class - study hard!	-		
Dec	9	M	-	<b>Section 1: FINAL EXAM: Lectures 1-41***</b>	All		10:00 am - 12:50 pm in HEC 125
	9	M	-	<b>Section 2: FINAL EXAM: Lectures 1-41***</b>	All		1:00 pm - 3:50 pm HEC 125
<b>***NOTE** There is only ONE final exam for each section. Be sure to come to your section's exam only.</b>							
<b>You will NOT be allowed to take the exam with the other section under ANY circumstances.</b>							
<b>Section 1 = normal class MWF at 10:30am</b>							
<b>Section 2 = normal class MWF at 1:30 pm</b>							
<b>***NOTE** The final exam occurs at a different time than your normal lecture. Don't be late!</b>							