

BSC 2011 – Integrated Principles of Biology II

Syllabus for sections 0575, 0576 & 6992

Spring 2015 semester

I. Class Meetings

Monday, Wednesday, Friday			
Section 0543	Period 4	10:40 AM–11:30 AM	McCarty C 0100
Section 0544	Period 5	11:45 AM–12:35 PM	McCarty C 0100
Section 4926	Period 8	03:00 PM–03:50 PM	TUR L007

Online Exercises and Tutorials are continuously available; assignments will be posted regularly.

II. BSC Laboratory Courses

The BSC laboratory courses (BSC 2010L and BSC 2011L) are managed separately from the BSC lecture courses. Please read the information available at the BSC Website (<http://www.bsc.ufl.edu>) for more information on the laboratory courses.

III. Instructors

Gordon Burleigh, Ph.D.
Department of Biology
Office: 218 Carr Hall
Office Hours: MWF period 6 or by appointment
Phone: 352-392-2776
E-mail: gburleigh@ufl.edu

Keith Choe, Ph.D.
Department of Biology
Office: 321A Bartram Hall
Office Hours: TR 10-11 AM or by appointment
Phone: 352-273-0139
Email: kchoe@ufl.edu

Jennie DeMarco, Ph.D.
Department of Biology
Office: 618A Carr Hall
Office Hours: MWF 12:40pm-3:00pm
Phone: 352-262-5226
Email: jennied@ufl.edu

Rebecca Koll (Discussion Leader and Online Instructor)
Graduate Teaching Assistant
Department of Biology
Office: 214 Dickinson Hall
Office Hours: by appointment
E-mail: rebecca.koll@ufl.edu

IV. Course Goals and Objectives

The primary goal of this course is to establish a coherent foundation of knowledge in biology and to prepare students for comprehension in advanced biology courses and science in general. Fundamental concepts discussed include the scientific methods by which we come to know things in science, the chemical composition and processes that make up all life, genetic processes and the means of inheritance of traits, the mechanisms and processes of natural selection, and adaptation and evolution of life on Earth. An additional course goal is to develop critical thinking skills for development of reasoned thought and for evaluation of life experiences.

Objectives of the course will be achieved if, by its conclusion, students can:

- Describe a scientific hypothesis and identify testable predictions that logically follow
- Read and evaluate a phylogenetic tree
- Describe the origin of photosynthesis in plants and the traits that enabled plants to diversify on land
- Discuss the potential adaptive significance of synapomorphies that define major clades of plants
- Explain how the alternation of generations varies among plant lineages and its significance in plant reproduction
- Discuss the role of hormones in plant development and environmental response
- Explain major themes to animal physiology and how it is linked with medicine
- Explain physical principles governing gas exchange in animals in air and water
- Diagram blood flow through the vertebrate circulatory system and describe the major functions of blood vessel types
- Diagram the arrangement of major proteins governing muscle contraction and describe excitation contraction coupling
- Describe the principles of electrical signals in neurons and diagram the organization of the vertebrate nervous system
- Explain principles governing how nitrogen waste is processed in animals and how salt and water balance are maintained in animals
- Describe and explain how climate and topography shape ecological systems
- Identify, compare, and contrast major terrestrial and aquatic biomes
- Describe how species interactions can influence fitness, population dynamics, and species distribution and can result in evolutionary change
- Explain how communities change over space and be able to calculate species diversity
- Diagram the global carbon and nitrogen cycle and identify the major stocks and fluxes.
- Identify major anthropogenic changes to the carbon, nitrogen, and phosphorus and describe how these changes have altered ecological systems

V. General Education Objectives for Biological Sciences

Biological science courses provide instruction in the basic concepts, theories and terms of the scientific method in the context of the life sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern biological systems. Students will formulate empirically testable hypotheses derived from the study of living things, apply logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to evaluate outcomes of experiments.

The General Education objectives and the associated Student Learning Outcomes for Biological Sciences are achieved through lectures, in class discussion, interactive “clicker” response systems, and online activities and exercises. The learning objectives and SLOs are further reinforced by inquiry-based and active-learning exercises in the companion laboratory course, BSC 2011L. In particular, the companion lab expands upon development and testing of specific hypotheses.

VI. General Education Student Learning Outcomes

The general education student learning outcomes (SLOs) describe the knowledge, skills and attitudes that students are expected to acquire while completing a general education course at the University of Florida. The SLOs fall into three categories: **content**, **communication** and **critical thinking**.

Every general education course must address all three SLOs. Note that the subject area objectives (detailed above) describe the context within which the SLOs are achieved

Category	Institutional Definition	Institutional SLO
CONTENT	Content is knowledge of the concepts, principles, terminology and methodologies used within the discipline.	Students demonstrate competence in the terminology, concepts, methodologies and theories used within the discipline.
COMMUNICATION	Communication is the development and expression of ideas in written and oral forms.	Students communicate knowledge, ideas, and reasoning clearly and effectively in written or oral forms appropriate to the discipline.
CRITICAL THINKING	Critical thinking is characterized by the comprehensive analysis of issues, ideas, and evidence before accepting or formulating an opinion or conclusion.	Students analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems.

To assess student performance in meeting these student learning outcomes for this course, students are evaluated by a variety of instruments throughout the course: three exams during the semester, daily graded "clicker" questions used to assess comprehension and reasoning, and graded on-line activities, exercises and assessments. Student Learning Outcomes are further assessed in BSC 2011L, the companion lab course. For example, the Communication SLO is assessed in graded written assessments and in oral presentations in the lab. In combination, BSC 2011 and BSC 2011L provide assessments of all categories of the General Education Student Learning Outcomes.

VII. Expectations

Each student is solely responsible for reading and following the instructions, guidelines and schedules in this syllabus. Not having read the information in this syllabus or in instructor announcements will not constitute an excuse for missing an assignment, exam, or other assessment.

VIII. E-mail Communication

All e-mail correspondence to course instructors must **originate from your ufl.edu account, have your full name in the body of the e-mail, and contain your course and section number in the subject line.** E-mails not meeting these requirements may not be recognized by our e-mail filters, and thus may not be answered.

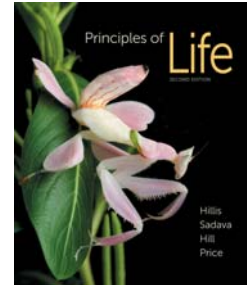
All correspondence regarding the online assignments (*LaunchPad*) must be sent to the Online Instructor (Rebecca Koll at rebecca.koll@ufl.edu).

IX. Course Resources

A. Textbook

Principles of Life, 2nd Edition, by Hillis, Sadava, Heller, & Price, Sinauer Associates and W.H. Freeman (publisher)

There are current versions of the textbook on reserve at the Marston Science Library. Visit the Reserve Materials area to check out these copies.



B. Online Resources and Electronic Textbook

Launchpad is an online assignments and tutorial system from the textbook publisher. It is required for this course and includes an e-book with purchase. Each new copy of the *Principles of Life* textbook comes automatically packaged with *Launchpad* and an e-book. Alternatively, you may access *Launchpad* and the e-book by making a standalone purchase online at <http://www.macmillanhighered.com/LaunchPad/hillis2e/601782>. If you purchase a used textbook you will still need to purchase access to *Launchpad*.

The *Launchpad* website is: <http://www.macmillanhighered.com/LaunchPad/hillis2e/601782>. When setting up your account, **you must use your Gatorlink (@ufl.edu) e-mail address, which will be your username.** Using an e-mail address other than your UFL e-mail address will result in you receiving NO CREDIT for all assignments administered through *Launchpad*. This cannot be changed after registration; be sure to register correctly.

Follow these steps to get started.

- Go to <http://www.macmillanhighered.com/LaunchPad/hillis2e/601782>
- Bookmark the page to make it easy to return to.
- If you have an access code, click the button "Enter Your Student Access Code" in the upper right corner and follow the instructions.
- If you don't have an access code, click the "Purchase Access" button.
- If you have any questions or problems logging in, please contact Technical Support. Technical support will need a technical support incident ID if you continue to have trouble, so be sure to save that ID when you report your issue.

For help with *LaunchPad*, contact *LaunchPad* Technical Support: 1 (877) 587-6534 (phone) or their online support form at <http://support.bfwpub.com/supportform/form.php?View=contact>

Tech Support Hours (all times EST)

Monday – Thursday, 9:00 AM – 3:00 AM
 Friday, 9:00 AM – 11:00 PM
 Saturday, 11:30 AM – 8:00 PM
 Sunday, 11:30 AM – 11:30 PM

C. Classroom Response System (Clicker)

We will use the Top Hat Monocle (THM) Classroom Response System (CRS) for quiz questions during class. THM allows students to use a cell phone (text messaging), laptop, tablet, smartphone, or an iPod touch to participate in class. Students who are enrolled in this course prior to the first day of class will receive an automated e-mail from the TopHat system with registration links. For students that enroll in this class late, follow these instructions to register:

1. Go to <https://tophat.com/>
2. Follow the Sign-up menu at the top of the page for "Student"
3. Complete the five step process for adding an account (School, Account Info., Grading Setup, Phone, and Course). If you already have an account, then you should be able to just add this course.

For "School" choose "University of Florida"

IMPORTANT: You must use your Gatorlink ID for your "Username" and your "Student ID"

Example: If your e-mail address is `albert@ufl.edu`, use *albert* NOT your 8-digit numerical UF ID (e.g., 1234-5678).

If the "Username" is already taken, you may add a few numbers to the end (e.g., *albert123*). Your "Student ID" must be your Gatorlink ID however.

Important: your Student ID should be all lowercase, and be careful not to enter a space afterwards! The reason the TopHat StudentID must match your UF Gatorlink ID exactly is that this is how your grades are transferred to UF e-learning gradebook. *If it does not match, you will not get credit for your TopHat submissions.*

Important note about purchasing THM license keys (prepaid subscriptions) at the bookstore: You can purchase prepaid subscriptions for THM at the UF Bookstore. A 5-year subscription will cost \$51.75 (instead of \$38.00 if purchased from the THM website) and a 4-month (semester) subscription will cost \$27.25 (instead of \$20.00 if purchased from the THM website). However, purchasing the THM subscription at the bookstore may benefit those students with financial aid. Note that THM will be used in both BSC 2010 and BSC 2011 as well as in other upper division courses offered through the Biology Department. Thus, it is advantageous to purchase the 5-year subscription rather than a single semester subscription.

For problems with Top Hat Monocle, call the following support number: 1-888-663-5491 or e-mail support@tophatmonocle.com

D. Course Website (e-Learning)

Class material including the syllabus, discussion readings, and problem sets, exam results, some lecture slides and other information related to the course will be posted on the course e-Learning website (<http://lss.at.ufl.edu>). The course is found under "e-Learning in Canvas". You are responsible for **all** announcements made in lecture and/or posted on the course website for this class. For help with e-Learning, call the UF Computing Help Desk at 352-392-4357, or visit the e-Learning support website: <https://lss.at.ufl.edu/help.shtml>.

X. Online Instruction Information

Online Instructor: **Rebecca Koll**
E-mail address: rebecca.koll@ufl.edu

As part of BSC 2011, you are required to complete online assignments that will account for 12% of your overall grade. If at any time you have questions about these assignments, please contact the Online

Instructor (Ms. Rebecca Koll). **DO NOT contact the Lecturer for questions about online homework completed through LaunchPad.** Online assignments will be completed online at the LaunchPad website: <http://www.macmillanhighered.com/LaunchPad/hillis2e/601782>. See instructions above (B. Online Resources and Electronic Textbook) on how to access the *LaunchPad* website. A schedule will be posted on e-Learning with the due dates for each assignment. **All assignments must be completed by the stated due date and time for credit. Extensions will NOT be given because of technical or personal issues that occur within 24 hours of the assignment deadline.** Most assignments will also have a set time limit, so make sure you have time to devote to that assignment before you begin. You are expected to work by yourself on the assignments and cheating will not be tolerated.

Note that all due dates for assignments are clearly posted on the LaunchPad Assignments tab and reflect the most up-to-date information. On this page you can also see your grade on an assignment and its status (e.g., complete, or due in x days). Also, there are many other resources available on LaunchPad to help you study material from your textbook, such as Diagnostic quizzes, Flashcards, Interactive chapter summaries, etc. Items that are NOT on the assignments page will not be graded, but we still strongly encourage you to use them to help you study.

If you have technical difficulties, please contact *LaunchPad* Technical Support: 1-(877) 587-6534 (phone) or visit <http://support.bfwpub.com/supportform/form.php?View=contact>.

To facilitate actual discussion, a discussion forum will set up in e-Learning in Canvas. Any questions regarding the lecture material or the online assignments should be posted there, so that your instructors, Ms. Koll, or your fellow students will be able to provide answers. Don't be shy about asking questions; after all, if you are confused about the material there will almost certainly be other students with the same questions.

Communication with Your Online Instructor

When you have a question about the LaunchPad assignments, check the following sources first to see if it is already answered, **before** e-mailing your Online Instructor:

- Course Syllabus
- e-Learning announcements (this is the primary means that your Online Instructor has to communicate with you in a timely manner)
- e-Learning Discussion FAQ
- e-Learning Discussion General Posts

If you still cannot find the answer to your questions:

- If it is a question that others might find useful to know the answer to as well, post it in the e-Learning Discussion section.
- If it is a question specific to you (e.g. account or grade specific), e-mail Ms. Koll. Barring unusual circumstances, expect a reply with 24 hours. E-mails and e-Learning Discussion posts are checked at least once per day, but sometimes not more than that.

If there is a technical problem with accessing *LaunchPad* or a particular assignment within *LaunchPad*, you must contact *LaunchPad* technical support FIRST. *LaunchPad* tech support is the only one who can fix technical issues with the site. Then, contact the Online Instructor at least 48 hours prior to the deadline, so appropriate steps can be taken to fix the issue and appropriate extensions can be given if necessary.

Grading of Online Exercises:

Students will receive up to 12% of the total course points for participation in the online exercises, and for performance on online assessments. There are several different types of assignments that students will have to complete. For any quizzes, you will be graded based on number of questions answered correctly out of total number of questions on your FIRST quiz submission! For all other assignment types (activities,

tutorials, etc.) you will receive full credit upon completion. There are no make-ups available for *LaunchPad* assignments. Once assigned, assignments are available online at all times up until the deadlines. Because they are assigned well ahead of time, documentation of illness or a personal matter must be provided for at least five of the seven days of the week of the assignment's deadline for accommodations to be made. It is especially important not to wait until just before the deadlines to complete *LaunchPad* assignments. A computer problem happening just before the deadline is not a valid excuse for not completing the assignment. If there is a technical problem with accessing *LaunchPad* or a particular assignment within *LaunchPad*, you must contact *LaunchPad* technical support and the online instructor at least 48 hours prior to the deadline, so appropriate steps can be taken to fix the issue and appropriate extensions can be given if necessary. (Thus, check early that you can access the assignments. You will not be granted an extension for technical problems, if you do not contact the online instructor before the deadline.)

Repeated for emphasis: technical problems must be reported to the online instructor at least 48 hours prior to the submission deadline, no exceptions!

Important information about pace:

We are giving you all of the assignments for each third of the course at once, and giving you at least three weeks or more to complete them. You have the freedom to go at a pace of your choosing, but you should not leave yourself too much work at the deadline. The assignments have been listed in an order that complements the lecture, and it is up to you if you want to go over the material for a given chapter before the lecture, which helps understand the lecture in greater detail, or just after each lecture to help reinforce the material and prepare for the exam. The only thing we do not recommend is to leave all the assignments until right before the deadline! You can always go back and re-do the assignments after you have submitted them for a grade, as a study aid.

Deadline is 11:55 p.m. on specified dates, which will be two days before each exam.

***LaunchPad* grades will be transferred to UF E-learning at the end of the term, but will also be viewable at any time on the *LaunchPad* website.**

XI. Supplemental Instruction

In Supplemental Instruction (SI), a trained student peer attends the class and then leads group sessions to focus on the challenging concepts and problems in the course. **SI is purely voluntary**; you can attend as often as you like, provided there is space (this is a first-come, first-served program). The sessions are collaborative, in that you will be working with classmates to better understand the material. The SI leaders will show you effective strategies for studying the course material, which you will have a chance to practice together, and the SI leaders will give you a chance to ask questions or pose your own concerns.

Refer to the SI e-Learning site for the locations and schedules of the SI sessions. More information is available at the UF Supplemental Instruction Home Page: <https://teachingcenter.ufl.edu/tutoring/study-groups/>

XII. Assessments and Grading

A. Exams

There will be three "midterm" exams, but no cumulative "final" exam. The midterm exams will be administered during the normal semester and during the normal class meeting times. Each exam will

cover material from lecture, the online discussions, and the assigned reading in the textbook. The exams will **not** be cumulative. Each exam will be worth approximately 28% of the course grade.

All exams will be multiple-choice and machine graded. Answer sheets will be provided and must be filled in using a #2 or softer pencil. **Each student must take the exam during her/his registered section time. Each student must bring her/his Gator ID to class on exam days.** No student will be allowed to start an exam after the first student to complete an exam leaves the classroom. All exams and answer sheets will be collected at the end of the exam period. No additional time will be given to complete an exam if you arrive late (in other words, if you begin an exam late, you will have less time to complete it). Please be aware that filling in the scantron sheets is part of the exam; no extra time at the end of the class period will be given for filling out the scantron sheets.

If necessary, exams MAY be curved using the following approach: The top 3% of the scores will be averaged, and the difference from 100 points will be added to each exam score.

Exams will be available for review by appointment for one week after the exam date; specific times for exam review will be announced following each exam. Exams will **not** be available for review after the semester has ended.

Make-up Exams: No make-up exams will be given without prior permission or documentation of illness. Students that will be missing an exam due to a pre-arranged university-approved excused absence (sports, etc.) should let the instructor know **a minimum of two weeks in advance**. These students may be required to take the make-up exam *before* the scheduled in-class exam.

In case of illness on exam day, a letter from the student's primary care provider is required. This letter must state that the student was unable to complete the exam on the scheduled date (i.e., a letter stating only that the student was seen in a clinic is not sufficient). A personal matter requires a note from the Dean of Students (P202 Peabody Hall). These notes must be received within five business days after the exam. Make up exams may be short-answer or essay format.

B. Online Assignments

Students will receive up to 12% of the total course points for participation in the online exercises, and for performance on online assessments. Additional information about the *LaunchPad* exercises and assessments will be provided by the Online Instructor (see also Section VII, above).

There are **NO** make-ups available for *LaunchPad* assignments. Once assigned, assignments are available online at all times until the deadlines. Because a full week (or more) is dedicated to the completion of each *LaunchPad* assignment, documentation of illness or a personal matter must be provided for at least five of the seven days of the week of the assignment's deadline for accommodations to be made. It is especially important to not wait until just before the deadlines to complete *LaunchPad* assignments. A computer problem happening within 12 hours of the deadline is not a valid excuse for not completing the assignment.

C. In-Class Quiz "Clicker" Questions

Students will receive up to 5% of the total course points for participation in the in-class quizzes that are to be answered using the classroom response system (Top Hat Monocle, see above). To clarify, 18 course points total will be awarded for Top Hat Monocle (THM) quizzes; 6 course points from each lecture unit of the course. The points earned will reflect the proportion of THM questions answered correctly in class. Each question posed will be scored as 0.75 THM points for participation with an additional 0.25 THM points for a correct answer. For each course lecture unit, full in-class quiz credit (6 course points) will be awarded to all students achieving 75% of the total possible THM points from that unit; those achieving less than 75% will receive course points in proportion to their achieved THM points (e.g. 50% of THM points earned = 3 course points).

Students may not make up THM questions, regardless of the reason (e.g., absence, malfunctioning cell phone, forgot to register, etc.). It is the student's responsibility to regularly check (i.e., daily or weekly)

their gradebook in THM to ensure that their submissions were correctly received, and to contact THM support to resolve any issues with submissions not being properly recorded in the THM gradebook in a timely manner.

D. Extra Credit

Each instructor has the option of offering 2% of extra credit. Each instructor will provide detailed instructions on extra credit if they decide to offer any. If extra credit is offered, the same content and amount will be offered to all students. There will be no extra credit tailored to individual students.

E. Grading

Assessment	Points per Unit	Total Point	% of Total Points
Exams	100	300	82.2
<i>LaunchPad</i>	14	42	11.5
Pre/post test	5	5	1.4
THM	6	18	4.9
TOTAL	125	365	100.0

All grades will be posted on e-Learning (in terms of course points, i.e., the point scheme above), and it is the responsibility of the student to check their grades on e-Learning and make sure they match their grades on *LaunchPad* and THM. If there is a discrepancy you must let us know within ONE week of the grade being posted on eLearning.

Minimum grade cutoffs are listed below. Because each exam may be curved individually (see section IX-A, above), the scores for the course as a whole will not be curved (i.e. these grade cutoffs will not be lowered) except under extremely rare circumstances (i.e., unless we tell you otherwise these cutoffs will not be lowered, so do not ask). However, these cutoffs will not be raised; in other words, if you receive 90% of the possible points, you are guaranteed to earn an A grade. Final scores will NOT be rounded (i.e., 89.99% is not 90%).

Point Range (%)	Letter Grade
≥ 90.00	A
≥ 86.66	A–
≥ 83.33	B+
≥ 80.00	B
≥ 76.66	B–
≥ 73.33	C+
≥ 70	C
≥ 66.66	C–
≥ 63.33	D+
≥ 60	D
≥ 56.66	D–
< 56.66	E

Note that the current UF policy for assigning grade points is available at the following undergraduate catalog web page: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

F. Special Treatment

Please do not request individual special treatment regarding grading at the end of the semester; **we do not adjust grades for individuals for any reason**. Plan to do well on all exams and other assessments from

the beginning of the semester; if you are having difficulty in the class, please let your instructors know *before* the exams rather than after.

XIII. Academic Honesty

All students registered at the University of Florida have agreed to comply with the following statement:

"I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."

In addition, on all work submitted for credit the following pledge is either required or implied:

"On my honor I have neither given nor received unauthorized aid in doing this assignment."

If you witness any instances of academic dishonesty in this class, please notify the instructor or contact the Student Honor Court (392-1631) or Cheating Hotline (392-6999). For additional information on Academic Honesty, please refer to the University of Florida Academic Honesty Guidelines at: <https://catalog.ufl.edu/ugrad/current/advising/info/student-honor-code.aspx#honesty>.

XIV. Attendance

Students are expected to attend all classes and are responsible for all material covered during the lecture, including announcements. **In addition, your attendance is necessary to earn points for "clicker" (THM) quiz questions; such points cannot be made up and questions cannot be submitted from outside the classroom.** Students are strongly encouraged to read the assigned chapters before coming to class as this will make it easier to comprehend the lecture material. If you miss class, visit the e-Learning site for any lecture slides/notes and course announcements.

XV. Time Commitment

The UF College of Liberal Arts and Sciences assumes that each student will devote 3-4 hours per week per credit-hour to each course, including time in lectures and labs. Because BSC 2011 is 3 credits, each student should therefore expect to devote 9-12 hours per week to this course during a regular semester, or 11-15 hours per week during the summer. A recommended time allocation is below.

Activity	Hours per Week
Lectures	3
Online Exercises	1-2
Textbook Readings	2-3
Review and Study	2-4

If you find yourself spending more than the recommended number of hours per week on average on these activities, discuss this with your course instructor to see if you can refine your study habits. If you find yourself spending less than the recommended number of hours per week on average, you should recognize that you may have difficulty learning and comprehending the material in this time, and this will probably be reflected in poor performance on the various assessments, causing you to receive a lower overall course grade.

XVI. Conduct in Class

Please be courteous and do not talk during lecture. This can be distracting to other students and the instructor. Students that are being disruptive may be asked to leave the lecture, resulting in the loss of participation points for the day.

Use of electronic devices in class to take notes or otherwise participate in classroom activities is approved. Approved electronic devices are laptop computers, cell phones, smart phones, tablets, iPod touch, and voice recording devices. Other uses of these devices or the use of unapproved devices will be considered disruptive. Unapproved electronic devices include video recorders, digital cameras and MP3 players. Students who use unapproved devices in class will be considered disruptive. Multiple disruptions will be considered grounds for the assignment of a failing grade.

XVII. Accommodations for Students with Disabilities

Students who will require a classroom accommodation for a disability must contact the Dean of Students Office of Disability Resources, in Peabody 202 (phone: 352-392-1261). Please see the University of Florida Disability Resources website for more information at: <http://www.dso.ufl.edu/drc/>. Note that the student should provide documentation of a requirement for accommodation **by the second week of classes**. No accommodations are available to students who lack this documentation. It is the policy of the University of Florida that the student, not the instructor, is responsible for arranging accommodations when needed. Once notification is complete, the Dean of Students Office of Disability Resources will work with the instructor to accommodate the student.

XVIII. Counseling Center

Many students experience test anxiety and other stress related problems. "[A Self Help Guide for Students](#)" as well as a diverse array of support systems are available through the UF Counseling and Wellness Center (3190 Radio Road, 392-1575, <http://www.counsel.ufl.edu/>).

XIX. Course Evaluation

To improve the teaching and learning of this important course, students are required to submit a teaching evaluation for each instructor electronically via this website: <https://evaluations.ufl.edu/evals/>

Evaluations are stored and reported in a completely anonymous manner. Authentication for evaluation submission is only to ensure that only one evaluation is submitted per student per instructor.

XX. Lecture Schedule

This is a tentative schedule; the dates and coverage of specific topics are subject to change.

Day	Date	Topic	Chapter
Dr. Burleigh's Plants Lectures			
Wednesday	7-Jan	Introduction – Phylogenetics and Plant Classification	16
Friday	9-Jan	What is a plant? Endosymbiosis and algal diversity	20, 21
Monday	12-Jan	Invasion of the Land	21

Wednesday	14-Jan	Liverworts and Mosses	21
Friday	16-Jan	Vascular Plant Form and Function	21, 24, 25
Monday	19-Jan	Holiday	No Class
Wednesday	21-Jan	Vascular Plants	21, 24, 25
Friday	23-Jan	Seed Plants	21
Monday	26-Jan	Gymnosperms	21
Wednesday	28-Jan	Angiosperms I	21, 27
Friday	30-Jan	Angiosperms II	21, 27
Monday	2-Feb	Plant Development and Its Hormonal Control	26, 27
Wednesday	4-Feb	Plant Hormones & Defense Mechanisms	27, 28
Friday	6-Feb	Overview and Wrap-Up	16, 20, 24-28
		Dr. Choe's Animals Lectures	
Monday	9-Feb	Fundamentals of Animal Function	29
Wednesday	11-Feb	Plant Unit Exam	Exam I
Friday	13-Feb	Fundamentals of Animal Function	29
Monday	16-Feb	Breathing	31
Wednesday	18-Feb	Breathing	31
Friday	20-Feb	Circulation	32
Monday	23-Feb	Circulation	32
Wednesday	25-Feb	Muscles	33
Friday	27-Feb	Muscles	33
Monday	2-Mar	Spring Break	No Class
Wednesday	4-Mar	Spring Break	No Class
Friday	6-Mar	Spring Break	No Class
Monday	9-Mar	Neurons and nervous systems	34
Wednesday	11-Mar	Neurons and nervous systems	34

Friday	13-Mar	Waste excretion and salt and water homeostasis	36
Monday	16-Mar	Waste excretion and salt and water homeostasis	36
Wednesday	18-Mar	Overview and Wrap-up	
Friday	20-Mar	Animal unit exam	Exam II
Dr. DeMarco's Ecology Lectures			
Monday	23-Mar	Introduction to Ecology and Climate	41
Wednesday	25-Mar	Biomes	41
Friday	27-Mar	Population-Distribution	42
Monday	30-Mar	Population-Life Histories	42
Wednesday	1-Apr	Population-Growth	42
Friday	3-Apr	Species Interactions	43
Monday	6-Apr	Species Interactions	43
Wednesday	8-Apr	Community Structure	44
Friday	10-Apr	Community Change	44
Monday	13-Apr	Ecosystem Energy and Productivity	45
Wednesday	15-Apr	Ecosystem Elemental Cycling	45
Friday	17-Apr	Carbon and Climate Change	45
Monday	20-Apr	Extinctions and Exam Review	
Wednesday	22-Apr	Ecology unit exam	Exam III