

BSC 2011 – Integrated Principles of Biology II

Syllabus for section 0543, 0544, 4926

Spring 2016

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	3:00 PM–3:50 PM	Carleton 0100

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

Norman Douglas, Ph.D.

Department of Biology Office: 618a Carr
Office Hours: M period 7 or by appointment
Phone: 352-294-2842
Email: nadouglas@ufl.edu

Keith Choe, Ph.D.

Department of Biology
Office: 321A Bartram Hall
Office Hours: MWF 1:30-2:30 PM or by appointment
Phone: 352-273-0139
Email: kchoe@ufl.edu

Jennie DeMarco, Ph.D.

Department of Biology
Office: Carr 417
Office Hours: By appointment
Email: jennied@ufl.edu

Kristen Sauby (Online Instructor)

Graduate Teaching Assistant
Department of Biology
Office: 110 Bartram Hall
Office Hours: Thursday 1-2 pm
E-mail: ksauby@ufl.edu

IV. Course Communications

- A. Course Website:** <http://lss.at.ufl.edu> (select Canvas); or <https://ufl.instructure.com/courses/323993>
- B. Contacting Your Instructors:** If you have a question about course mechanics or course material that cannot be answered from the syllabus, course announcements, or the course FAQ, please post it to the Discussion Boards on Canvas (see section X. "Getting Help", below). If you have a question involving a personal/grade-related issue, please e-mail your TA or Lecture Instructor, as appropriate. All e-mail correspondence **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. Barring unusual circumstances, expect a reply within 24 hours during the week, and 48 hours over the weekend. E-mails and Discussion Board posts are checked at least once per day, but sometimes not more than that.

All correspondence regarding the online assignments (LaunchPad) must be sent to the Online Instructor (Kristen Sauby at ksauby@ufl.edu).

- C. Communications From Your Instructors:** Each student is solely responsible for reading and following the instructions, guidelines and schedules in this syllabus, on the course webpage, and announced in class. Not having read the information in this syllabus, on the webpage, or in course announcements will NOT constitute an excuse for missing deadlines, assignments, or other assessments. Please set your preferences in Canvas so that you receive timely notifications of course announcements and other information.

V. 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 evolution, diversity, and function of photosynthetic life; the evolution, structure, function, and physiology of animals; and the ecology of organisms, populations, communities, biomes, and the globe. 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 challenges of life on land and the traits that enabled plants to diversify on land
- Discuss the potential adaptive significance of synapomorphies that define major clades of plants
- Describe the mechanisms by which plants move water and nutrients through the plant body.
- Explain how 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

VI. 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.

VII. 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.

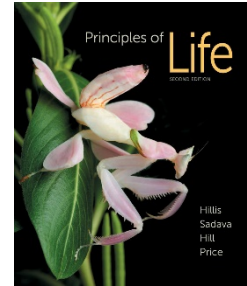
To assess student performance in meeting these student learning outcomes for this course, students are evaluated by a variety of instruments throughout the course: three exams during the semester, daily graded “clicker” questions used to assess comprehension and reasoning, and graded on-line activities, 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.

VIII. 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/2761091>. 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/2761091#/launchpad>. 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/2761091>. Bookmark the page to make it easy to return to.
- If you have an access code, click the button "I have a student access code" and follow the instructions.
- If you don't have an access code, click the "I want to purchase access" button.
- If you are waiting on financial aid disbursement, you can click on "I need to pay later" to create a temporary account. When this temporary access expires (in three weeks), you will need to purchase access to the site.
- 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 TopHat Classroom Response System (CRS) for quiz questions during class. TopHat 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 THM 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 (@ufl.edu) e-mail address. Failing to do so will result in receiving NO CREDIT for THM units.

You must use your Gatorlink ID for 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). Your Student ID should be all lowercase, and be careful not to enter a space afterwards!

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 note about purchasing THM license keys (prepaid subscriptions) at the bookstore: You can purchase prepaid subscriptions for THM at the UF Bookstore. The prices may be higher than the prices when purchasing access directly from the TopHat website (see <https://tophat.com/pricing/> for details). 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, you may find it advantageous to purchase the 1-year or 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>.

IX. 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/>

X. Getting Help

A. Computing Problems

For issues with technical difficulties with Canvas, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

It is each student's responsibility to check their TopHat gradebook in a timely fashion to be sure their submissions are being properly recorded. For problems with Top Hat, call the following support number: 1-888-663-5491 or e-mail support@tophatmonocle.com

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

B. University Support Services

College can be a very stressful time in a person's life. Resources are available on campus to help students meet academic goals and solve personal problems, which may interfere with their academic performance. If you find that you are having difficulty emotionally or academically, there is substantial support available. See "[A Self Help Guide for Students](#)" or contact on of the following services:

1. [UF Counseling and Wellness Center](#), Radio Rd Facility, 392-1575
2. [Dean of Students Office](#), 202 Peabody Hall, 392-1261
3. [Career Resource Center](#), Reitz Union, 392-1601
4. [CLAS Academic Advising Center](#), Farrior Hall, 100 Fletcher Drive, 392-1521

C. Other Questions

If you have non-tech-support questions about other aspects of the course, check the following sources first to see if it is already answered, **before** e-mailing your instructors:

- Course Syllabus
- E-Learning Announcements (this is the primary means that your instructor has to communicate with you in a timely manner)
- eLearning FAQ Discussion Boards

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 to the eLearning discussion board.
- If it is a question specific to you (e.g. account or grade specific) that concerns LaunchPad, contact the online TA. Otherwise, contact the appropriate instructor.

XI. 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 27.4% 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 or personal emergency on exam day, students must submit documentation to the Dean of Students office (P202 Peabody Hall, dsocares@dso.ufl.edu) and request an instructor notification to be sent. 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 (LaunchPad)

Online Instructor: Kristen Sauby
E-mail address: ksauby@ufl.edu

As part of BSC 2011, you are required to complete online assignments that will account for 11.5% of your overall grade. If at any time you have questions about these assignments, please contact the Online Instructor. **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/2761091>. See instructions above (VIII.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.

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.

At the Launchpad site, 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.

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

Grading of Online Exercises

Students will receive up to 11.5% 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:

- **Quizzes:** students will be graded based on the number of questions answered correctly out of total number of questions on the FIRST quiz submission.
- **All other assignment types (activities, tutorials, etc.):** students will receive full credit upon completion.

Once assigned, assignments are available online at all times up until the deadlines. It is especially important not to wait until just before the deadlines to complete *LaunchPad* assignments; problems usually happen at the last minute and makeups and extensions are not granted to *LaunchPad*.

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 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. 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.

Technical Issues

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. Thus, check early that you can access the assignments. You will not be granted an extension for technical problems.

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> (Links to an external site.).

Due Dates

Note that all due dates for assignments are clearly posted on the LaunchPad Assignments tab and reflect the most up-to-date information. The deadline for assignments is 11:55 p.m. on the specified date, which will be two days before each exam. **All assignments must be completed by the stated due date and time for credit. There are NO make-ups available for *LaunchPad* assignments.**

Unit	Due Date
Unit 1 (Dr. Douglas' Plant Lectures)	February 8, 11:55 pm
Unit 2 (Dr. Choe's Animal Lectures)	March 16, 11:55 pm
Unit 3 (Dr. DeMarco's Ecology Lectures)	April 18, 11:55 pm

Once assigned, assignments are available online at all times until the deadlines. Extensions for LaunchPad assignment sets will only occur in extreme circumstances. A Dean of Students note verifying 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 considered.

Extensions will NOT be given because of technical or personal issues that occur within 24 hours of the assignment deadline. 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. Repeated for emphasis: technical

problems with *LaunchPad* must be reported to the online instructor at least 48 hours prior to the submission deadline, no exceptions!

C. In-Class Quiz “Clicker” Questions

Students will receive up to 4.9% of the total course points for participation in the in-class quizzes that are to be answered using the classroom response system (TopHat, see VIII.C above). To clarify, 18 course points total will be awarded for TopHat quizzes; 6 course points from each lecture unit of the course. The points earned will reflect the proportion of TopHat questions answered correctly in class. Each question posed will be scored as 0.25 TopHat points for participation with an additional 0.75 TopHat 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 at least 75% of the total possible TopHat points from that unit; those achieving less than 75% will receive course points in proportion to their achieved TopHat points (e.g. 50% of TopHat points earned = 3 course points).

Students may not make up TopHat 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 TopHat to ensure that their submissions were correctly received, and to contact TopHat support to resolve any issues with submissions not being properly recorded in the TopHat gradebook. TopHat tech support cannot recover grades for submissions that did not save unless the student provides a screenshot of their submission within 24 hours of lecture.

D. Online Pre and Post Tests

Students will receive approximately 1.4% of the total course points for completion of online pre- and post- tests administered through LaunchPad. Additional information about LaunchPad will be provided by the Online Instructor (see also Section X, above).

Each of the tests is composed of 40 multiple-choice questions and will assess your knowledge of key concepts both upon entering and exiting BSC2011. You will have 1 hour to complete each test after you have begun. Your raw score will be scaled to a point value out of a total 5 points.

Your post-test grade (which should be much higher) will replace your pre-test grade at the end of the semester as long as you complete BOTH pre- and post-tests. The penalty for completing only the pre-test, but not the post-test is 2 points out of the 5 points available. Following are a few scenarios illustrating how your scores might be calculated:

Student	Pretest score	Post test score	Final score
A	2	5	5
B	1	5	5
C	0 (didn't take)	5	3
D	3	0 (didn't take)	1

The difference between the two scores on these tests will enable both you and your instructors to independently measure how much you learned throughout the semester. **There are NO make-ups available for the pre- and post-tests.** Each test is available at all times for several days until the deadline. It is especially important to not wait until just before the deadlines to complete the online pre- and post-tests. A computer problem happening within 12 hours of the deadline is not a valid excuse for not completing the assignment.

E. 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.

F. Grading Summary

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	1.4
THM	6	18	4.9
TOTAL	120	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 TopHat. **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 XI-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>.

G. 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.

XII. 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>.

XIII. Attendance and Conduct in Class

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" (TopHat) quiz questions; such points cannot be made up.** 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. Note that attendance will be taken at the beginning of lecture using the TopHat system. There are no points awarded for attendance directly. There is no penalty for failing to check in when attendance is taken. However, if you are confirmed to be present and you unexpectedly have connection difficulties when TopHat questions are asked (which generally happens to a few students every lecture) then this information will help resolve the issue. No credit will be retroactively awarded for unanswered TopHat questions if there is no evidence you were actually in lecture.

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.

XIV. 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
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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.

XV. 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.

XVI. 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.

XVII. Lecture Schedule

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

Day	Date	Topic	Chapter	Deadlines
		Dr. Douglas' Plant Lectures		
Wednesday	5-Jan	Introduction to BSC2011 & Plants		
Friday	7-Jan	Phylogenetics and plant classification	Parts of 19 & 20	
Sunday	10-Jan	No class!		All due by 11:55 pm: 1) Sign up for course on Top Hat 2) Create a LaunchPad account 3) Complete the Pre-Test (in LaunchPad)
Monday	11-Jan	Endosymbiosis, other "plants", invasion of land	21	
Wednesday	13-Jan	Nonvascular plants: Liverworts and mosses	21	
Friday	15-Jan	Alternation of generations	21	

Monday	18-Jan	NO CLASS – MLK DAY		
Wednesday	20-Jan	Ferns & Lycophytes: Seed-free vascular plants - structures, tissues	21, 24	
Friday	22-Jan	Transpiration	25	
Monday	25-Jan	Gymnosperms	21	
Wednesday	27-Jan	Angiosperms - Reproduction, Flower structure, Pollination	21, 27	
Friday	29-Jan	What is a Seed?	21, 27	
Monday	1-Feb	Plant adaptations	25, 28	
Wednesday	3-Feb	Flowering plant physiology	26, 27, 28	
Friday	5-Feb	Plant growth and development	26	
		Dr. Choe's Animal Lectures		
Monday	8-Feb	Fundamentals of Animal Function	29	Unit 1 LaunchPad assignments due by 11:55 pm
Wednesday	10-Feb	Plant Unit Exam	Exam I	
Friday	12-Feb	Fundamentals of Animal Function	29	
Monday	15-Feb	Breathing	34	
Wednesday	17-Feb	Breathing	34	
Friday	19-Feb	Neurons	31	
Monday	22-Feb	Neurons	31	
Wednesday	24-Feb	Circulation	32	
Friday	26-Feb	Circulation	32	
Monday	29-Feb	Spring Break	No Class	
Wednesday	2-Mar	Spring Break	No Class	
Friday	4-Mar	Spring Break	No Class	
Monday	7-Mar	Muscles	33	
Wednesday	9-Mar	Muscles	33	
Friday	11-Mar	Waste excretion and salt and water homeostasis	36	

Monday	14-Mar	Waste excretion and salt and water homeostasis	36	
Wednesday	16-Mar	Overview and Wrap-up		Unit 2 LaunchPad assignments due by 11:55 pm
Friday	18-Mar	Animal unit exam	Exam II	
		Dr. DeMarco's Ecology Lectures		
Monday	21-Mar	Introduction to Ecology and Climate	41	
Wednesday	23-Mar	Climate and organism adaptations	41	
Friday	25-Mar	Biomes	41	
Monday	28-Mar	Populations I	42	
Wednesday	30-Mar	Populations II	42	
Friday	1-Apr	Species Interactions	43	
Monday	4-Apr	Communities I	44	
Wednesday	6-Apr	Communities II	44	
Friday	8-Apr	Ecological Efficiencies	44	
Monday	11-Apr	Ecosystems I	45	
Wednesday	13-Apr	Ecosystems II	45	
Friday	15-Apr	Carbon cycle	45	
Monday	18-Apr	Climate change	45	Unit 3 LaunchPad assignments due by 11:55 pm
Wednesday	20-Apr	Ecology unit exam	Exam III	