

BSC 2011 - Integrated Principles of Biology II

Syllabus for sections 0544 and 4926

Summer C 2017

I. Class Meetings

Tuesday, Wednesday, Thursday, and Friday:

Section 7263

Period 5

2:00 PM - 3:15 PM

TUR L007

II. Expectations

Each student is solely responsible for reading and following the instructions, guidelines and schedules in this syllabus and on the course webpage, or announced in class. 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. **Please set your preferences in Canvas so that you receive timely notifications of course announcements and other information.**

III. BSC Laboratory Course

The BSC laboratory courses (BSC 2010L and BSC 2011L) are managed separately from the lecture courses. Please contact your laboratory instructor/TA for details on the laboratory course.

IV. Instructors

Christine Davis, Ph.D.

Department of Biology

Office: 614 Carr

Office Hours: After lecture or by appointment

Email: christine.davis@ufl.edu

Jennie DeMarco, Ph.D.

Department of Biology

Office: 417 Carr Hall

Office Hours: After lecture or by appointment

Email: jennied@ufl.edu

Nicole Gerlach, Ph.D.

Department of Biology

Office: 520 Carr Hall

Office Hours: After lecture or by appointment

Email: ngerlach@ufl.edu

Kristen Sauby (Online Instructor/TA)

Graduate Teaching Assistant

Department of Biology

Office: 110 Bartram Hall

Office Hours: Thursday period 6 or by appointment

V. Course Communications

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/TA (Kristen Sauby at ksauby@ufl.edu).**

To facilitate actual discussion, a discussion forum will set up in Canvas. Any questions regarding the lecture material or the online assignments should be posted there, so that your instructors, Ms. Sauby, 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.

A. Communication with Your Online Instructor/TA

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/TA:

- Course Syllabus
- Canvas announcements (this is the primary means that your Online Instructor/TA has to communicate with you in a timely manner)
- Canvas Discussion FAQ
- Canvas 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 Canvas Discussion section.
- If it is a question specific to you (e.g. account or grade specific), e-mail Ms. Sauby. Barring unusual circumstances, expect a reply with 24 hours during the work week (Monday - Friday by 5 pm). E-mails and Canvas Discussion posts are checked at least once per day, but sometimes not more than that.

VI. 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 biosphere. 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:

- 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
- Explain how alternation of generations varies in plant lineages and its significance to reproduction
- Diagram the basic components of plant vasculature and characterize their function
- Identify common plant adaptations and show how they are shaped by convergent evolution
- Discuss the role of hormones in plant development and environmental response
- Describe a scientific hypothesis and identify testable predictions that logically follow
- 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
- Explain the forces that regulate populations in natural systems
- 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 time and be able to calculate species diversity
- Describe the challenges faced in conserving species, and explain different conservation approaches that can be used to help preserve biodiversity.
- Explain the mechanisms that underlie animal behavior, and how behavior is shaped by natural selection
- 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

VII. 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.

VIII. 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.

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)

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.

Access may also be purchased directly from the LaunchPad site. In addition, you may purchase loose-leaf printed pages of the textbook at the UF bookstore for a discounted price. **You are required to have access to Launchpad for the ENTIRE course. It is your responsibility to ensure access DOES NOT expire before the end of the semester.**

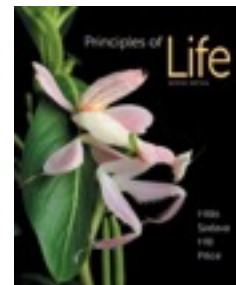
Instructions on correctly registering for LaunchPad will be available on the Canvas course site once the semester has started. **Please wait for these instructions before registering for LaunchPad;** incorrect registration on LaunchPad may result in receiving zero points for all LaunchPad assignments.

C. Classroom Response System (TopHat)

We will use the Top Hat Classroom Response System (CRS) for quiz questions during class. Top Hat allows students to use a cell phone (text messaging), laptop, tablet, smartphone, or an iPod touch to participate in class.

D. Course Website (Canvas)

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 (Canvas) website (<http://lss.at.ufl.edu>). You are responsible for all announcements made in lecture and/or posted on the course website



for this class. For help with Canvas, call the UF Computing Help Desk at 352-392-4357, or visit the Canvas support website: <https://lss.at.ufl.edu/help.shtml>.

X. 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 Canvas 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/>

XI. 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 Top Hat 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
5. [Disability Resource Center](#), 001 Reid Hall, 392-8565

Also available is The U Matter, We Care initiative, which is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. **If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575.** The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. **Please remember that asking for help is a sign of strength.** In case of emergency, call 9-1-1.

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
- CanvasAnnouncements (this is the primary means that your instructor has to communicate with you in a timely manner)
- Canvas 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 Canvas discussion board.
- If it is a question specific to you (e.g. account or grade specific) that concerns LaunchPad, contact Ms. Sauby. Otherwise, contact the appropriate instructor.

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 assignments, and the assigned reading in the textbook. The exams will *not* be cumulative however concepts taught in this course build on each other and concepts covered in BSC2010. In order to do well on the exams you need to remember and apply concepts covered in BSC2010 and in earlier units of this course. 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. No extra time will be given for filling out the scantron sheets.

1. Exam Curves

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.

2. Exam Review

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

3. 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.

B. Online Assignments (LaunchPad)

As part of BSC 2011, you are required to complete online assignments administered through Canvas that will account for 11.5% of your overall grade. The schedule with assignment due dates is at the end of this document. **You are expected to work by yourself on the assignments and cheating will not be tolerated. You must access the assignments via Canvas in order for the Canvas gradebook to properly record your grade.**

1. Website Address

Access LaunchPad through the course Canvas site.

2. Getting Help

Online Instructor/TA: Kristen Sauby

E-mail address: ksauby@ufl.edu

If at any time you have questions about the assignments, please contact the Online Instructor/TA. **DO NOT** contact the Lecturer for questions about online homework completed through *LaunchPad*.

For help with *LaunchPad* technical issues see "Section 7. Technical Issues" below.

3. Setting Up Your Account

You must set up your Launchpad account through Canvas. Please see the Canvas page in order to do this correctly. 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 **NO CREDIT** received for assignments administered through *Launchpad*. This cannot be changed after registration; be sure to register correctly.

NOTE: if you already purchased *Launchpad* access in a different semester, you can log in using your existing username, which should be your Gatorlink email address. You will then be asked to provide your UFID number. If you have any questions or problems setting up your account, please contact Technical Support (#7, below). 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.

4. Grading of Online Exercises

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.

Your grades on assignments and their status (e.g., complete, or due in x days) can be viewed in Canvas. The Launchpad home page is NOT a reliable way to determine which assignments remain to be completed.

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 listed in the Gradebook will not be graded, but we still strongly encourage you to use them to help you study.

5. Important information about pace

Some assignments may have a set time limit, so make sure you have time to devote to that assignment before you begin.

Once assigned, assignments are available online at all times, from the start of the given unit up until the deadline. It is especially important not to wait until just before the deadlines to complete *LaunchPad* assignments; problems usually happen at the last minute.

The assignments have been listed in an order that complements the lecture, and we recommend either going over the material for a given chapter:

- before the lecture, which may help you understand the lecture in greater detail, or
- after each lecture to help reinforce the material and prepare for the exam.

You can always go back and re-do the assignments after you have submitted them for a grade, as a study aid.

6. Due Dates

Note that all due dates for assignments are clearly posted on the Canvas Assignments page, in the *LaunchPad* Gradebook and Calenda, schedule at the end of the syllabus, and reflect the most up-to-date information. The deadline for assignments is 11:55 p.m. on the specified date, (always on Friday, except for Pre and Post Tests). **All assignments must be completed by the stated due date and time for credit. There are NO make-ups available for *LaunchPad* assignments.**

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.

7. Technical Issues

For help with *LaunchPad* technical issues, contact *LaunchPad* Technical Support:

- Phone: 1 (877) 587-6534 (phone)
- Online support form: <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

If there is a technical problem with accessing *LaunchPad* or a particular assignment within *LaunchPad*, you must contact *LaunchPad* technical support **FIRST, at least 2 days before the deadline. *LaunchPad* tech support is the only one who can fix technical issues with the site.** Then, contact the Online Instructor/TA at least 2 days prior to the deadline, so appropriate steps can be taken to fix the issue.

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 (Top Hat, see above).

Students may not make up Top Hat 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 Top Hat to ensure that their submissions were correctly received, and to contact Top Hat support to resolve any issues with submissions not being properly recorded in the Top Hat gradebook.

1. Grading

18 course points total will be awarded for Top Hat quizzes; 6 course points from each lecture unit of the course. The points earned will reflect the proportion of Top Hat questions answered correctly in class. Each question posted will be scored as 0.25 Top Hat points for participation with an additional 0.75 Top Hat 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% or more of the total possible Top Hat points from that unit; those achieving less than 75% will receive course points in proportion to their achieved Top Hat points (e.g. 50% of Top Hat points earned = 3 course points).

2. Setting up Your Account

IMPORTANT: when creating your account, you must use your Gatorlink (@ufl.edu) e-mail address. Failure to do so will result in NO CREDIT received for Top Hat units.

Please follow these instructions to register:

- a) Go to <https://tophat.com/>
- b) Follow the Sign-up menu at the top of the page for "Student"
- c) 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.

d) For "School" choose "University of Florida"

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 TopHat license keys (prepaid subscriptions) at the bookstore: You can purchase prepaid subscriptions for TopHat 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 TopHat subscription at the bookstore may benefit those students with financial aid. Note that Summer C 2017 is the last semester in which TopHat will be used for courses in the Biology Department. Starting in the Fall 2017 the Biology Department will be using Learning Catalytics for in-class clicker questions.

3. Technical Issues

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

Top Hat 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 via Canvas.

Each of the tests is composed of 20 multiple-choice questions and will assess your knowledge of key concepts both upon entering and exiting BSC2011. You will have 30 minutes to complete each test after you have begun. Your raw score will be scaled to a point value out of a total 5 points.

At the end of the semester, if you complete BOTH pre- and post-tests, the higher of the two grades will be kept; typically this is your post-test grade. There is a two point penalty if you do not take both the pre- and post-test. See the table below for examples of how the pre-post test score is calculated.

Student	Pre-test score	Post-test score	Final Score
A	2	4.5	4.5
B	1	4.25	4.25
C	(not taken) 0	4.5	2.5
D	3	(not taken) 0	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 24 hours of the deadline is not a valid excuse for not completing the assignment. 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.

E. Extra Credit

Each instructor has the option of offering 2% of extra credit. *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
Top Hat	6	18	4.9
TOTAL	120	365	100.0

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

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 nor are grades “rounded up”**. 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" (Top Hat) quiz questions; such points cannot be made up and answers may not 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 Canvas site for any lecture slides/notes and course announcements.

Note that attendance will be taken at the beginning of lecture using the Top Hat 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 Top Hat 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 Top Hat questions if there is no evidence you were actually in lecture.

XV. 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.

XVI. 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.

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. 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.

XIX. Lecture Schedule

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

Day	Date	Topic	Chapter	Deadlines
Dr. Davis's plant section				
Tuesday	May 9	Intro and course overview; phylogenetics and plant classification	Parts of 16, 18, and 19	Pre-test and Syllabus Quiz open on Canvas
Wednesday	May 10	Endosymbiosis, diversity of photosynthetic organisms	Parts of 20	All due by 11:55 pm 1) Sign up for Top Hat course 2) Create LaunchPad account 3) Complete Pre-test (in LaunchPad)
Thursday	May 11	Invasion of the land	21	
Friday	May 12	Nonvascular plants: liverworts and mosses	21	Animated tutorial and quiz 21.1
Tuesday	May 16	The vascular plants: form and function	21	
Wednesday	May 17	Diversity of seedless vascular plants	24, 25	
Thursday	May 18	Seed plants: form and function	25	
Friday	May 19	Diversity of flowerless seed plants	21, 24	Animated tutorial and quiz 21.2, 25.3
Tuesday	May 23	Diversity of flowerless seed plants	21	
Wednesday	May 24	Flowering plants: form and function	21, 25	
Thursday	May 25	Diversity of flowering plants	21, 27	
Friday	May 26	Flowering plant physiology	21, 27	Animated tutorial and quiz 26.2
Tuesday	May 30	Flowering plant physiology	21, 27	
Wednesday	May 31	Plant adaptations	26	

Thursday	Jun 1	Plant Unit Exam	Exam I	
Dr. Gerlach's animal section				
Friday	Jun 2	Diversity and Evolution	23.1	
Tuesday	Jun 6	Metabolism and Homeostasis	29.1-29.2, 29.4, 29.6	
Wednesday	Jun 7	Thermoregulatory	29.3, 32.4	
Thursday	Jun 8	Gas exchange	31	
Friday	Jun 9	Circulatory	32	Animated tutorials and quizzes 29.1, 31.1, 32.1
Tuesday	Jun 13	Excretory	36	
Wednesday	Jun 14	Digestive	30	
Thursday	Jun 15	Immune	39	
Friday	Jun 16	Endocrine	35.1-35.4	Animated tutorials and quizzes 36.1, 30.2, 39.4, 35.1, activity 35.1
Tuesday-Friday	Jun 20-23	NO CLASS - SUMMER BREAK		
Tuesday	Jun 27	Reproductive	37.1-37.2	
Wednesday	Jun 28	Nervous	34.1-34.3, 34.5	
Thursday	Jun 29	Sensory	34.3	
Friday	Jun 30	Musculoskeletal	33	Animated tutorials and quizzes 37.2, 34.2, 34.6, 33.1, activities 37.2, 37.3
Tuesday	Jul 4	4 th of July-NO SCHOOL		
Wednesday	Jul 5	Animal Unit Exam	Exam 2	
Dr. DeMarco's ecology section				
Thursday	Jul 6	Introduction to Ecology	41	
Friday	Jul 7	Climate	41	Animated tutorial and quiz 41.1, 41.2, and 41.3
Tuesday	Jul 11	The Changing Carbon Cycle	45	
Wednesday	Jul 12	Biomes	45	
Thursday	Jul 13	Consequences of Climate Change	45	

Friday	Jul 14	Ecological Efficiencies	45	Animated tutorial and quiz 45.2, 45.3, and 45.4
Tuesday	Jul 18	Nutrient Cycling	45	
Wednesday	Jul 19	The Changing N and P cycle	45	
Thursday	Jul 20	Species Diversity	44	
Friday	Jul 21	Community Succession	44	Animated tutorial and quiz 44.1, 44.1, and 44.2
Tuesday	Jul 25	Populations I	42	
Wednesday	Jul 26	Populations II	42	Post-test opens on LaunchPad
Thursday	Jul 27	Species Interactions I	43	
Friday	Jul 28	Species Interactions II	43	Animated tutorial and quiz 42.1, 42.2, and 43.1
Tuesday	Aug 1	Ecology Unit Exam	Exam 3	
Wednesday	Aug 2	No class		Post-test due by 11:55 pm