BSC 2010 – Integrated Principles of Biology II – Fall 2022

Syllabus for class numbers/sections 11680, 11681, 11682, 22267, 22268

Class Meetings

Class number 11680: M,W,F | Period 2 (8:30 AM - 9:20 AM) Room: Norman 1020
Class Number 11681: M,W,F | Period 3 (9:35 AM - 10:25 AM) Room: Norman 1020
Class Number 11682: M,W,F | Period 6 (12:50 PM - 1:40 PM) Room: Norman 1020
Class Number 22267 (Honors): M,W,F | Period 3 (9:35 AM - 10:25 AM) Room: Norman 1020
F | Period 4 (10:40 AM - 11:30 AM) Room: Turlington L005
Class Number 22268 (Honors): M,W,F | Period 6 (12:50 PM - 1:40 PM) Room: Norman 1020
F | Period 7 (1:55 PM - 2:45 PM) Room: Turlington L007

Instructors

David Oppenheimer, Ph.D. (Cells)
Department of Biology
Office: TBA
E-mail: oppenhe@ufl.edu
Office Hours: TBA

Charles Baer, Ph.D. (Genetics)
Department of Biology
Office: TBA
E-mail: cbaer@ufl.edu
Office Hours: TBA

Bernard Hauser, Ph.D. (Evolution)
Department of Biology
Office: TBA
E-mail: bahauser@ufl.edu
Office Hours: TBA

James Gillooly, Ph.D. (Honors Discussions)
Department of Biology
Office: TBA
E-mail: gillooly@ufl.edu
Office Hours: TBA

TBA (Online Instructor / TA)
Department of Biology
Office: TBA
E-mail: TBA
Office Hours: TBA

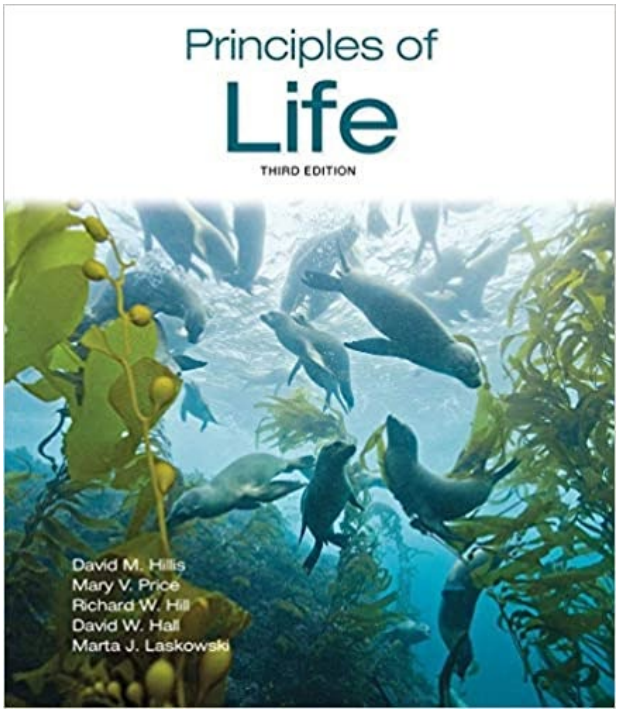
TBA (Online Instructor / TA)
Department of Biology
Office: TBA
E-mail: TBA
Office Hours: TBA

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 or via Canvas. 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.**

Course Resources

Textbook & Online Resources/Homework
A. Textbook
Principles of Life, 3th Edition, by Hillis, Sadava, Heller, & Price, Sinauer Associates and W.H. Freeman (publisher)



B. Online Resources/Homework
Achieve 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 Achieve. If you purchase a used textbook you will still need to purchase access to Achieve. **You are required to have access to Achieve for the ENTIRE course. It is your responsibility to ensure that your access DOES NOT expire before the end of the semester.**
Instructions on correctly registering for Achieve will be available on the Canvas course site once the semester has started. Please wait for these instructions **before** registering for Achieve; incorrect registration on Achieve may result in receiving zero points for all Achieve assignments.

C. Purchase of Textbook and Achieve Access

Please note that this course participates in the UF All Access program. Students will have a few options to gain access to the textbook and Achieve for Principles of Life when classes begin:

Option 1 - **RECOMMENDED** - Students will have the choice to "opt-in" for a limited time to receive access to Achieve for a reduced price and pay for these materials through their student account. The following link will take you to where you can "opt-in" to receive discounted course materials once logged in with your Gatorlink credentials (https://www.bsd.ufl.edu/AllAccess/).

Option 2 – Purchase a standalone code through the UF Bookstore. Both options provide access to the same materials.

There are also current versions of the textbook on reserve at the Marston Science Library. Visit the Reserve Materials area to check out these copies. You will still need to purchase Achieve.

D. Classroom Response System (CLICKER)
We will use the Learning Catalytics (LC) Classroom Response System (CRS) for quiz questions during class (https://learningcatalytics.com/courses). LC allows students to use a cell phone, laptop, tablet, or smartphone to participate in class.
Cost: 6 month access: $12; 12 month access: $20

E. 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 Canvas 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 Canvas, call the UF Computing Help Desk at 352-392-4357, or visit the Canvas support website: https://lss.at.ufl.edu/help.shtml.

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
- Compare and contrast the components of prokaryotic and eukaryotic cells and the molecular processes
  driving cellular structure and functions
- Outline the process and molecular components of key metabolic pathways
- Describe the relationship between genotype and phenotype
- Predict the RNA and protein sequences that will be transcribed and translated from a given gene
- Predict the immediate and long-term effects of specific gene mutations
- Discuss the evidence that all living things are descended from a common ancestor and have changed and diversified into species through time
- Describe the primary mechanisms of evolutionary change
- Identify sources of genetic variation in populations and explain how this can be shaped in the presence of natural selection and other evolutionary forces
- Interpret and evaluate phylogenetic trees and use them to distinguish evolutionary predictions
- Outline major fundamental events in the history of life on Earth, including changes to biogeochemical cycles connected with major evolutionary transitions

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 2010L. In particular, the companion lab expands upon development and testing of specific hypotheses.

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 2010L, 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 2010 and BSC 2010L provide assessments of all categories of the General Education Student Learning Outcomes.

Assessments and Grading

1. Exams

There will be three "midterm" exams, but no cumulative "final" exam. The midterm exams will be administered by assembly at the university established assembly exam times (8:20 pm). Your assembly exam room will be assigned to you at least 24 hours prior to the exam. 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. In order to do well on the exams you need to remember and apply concepts covered in earlier units of this course. Each exam will be worth 20% of the course grade.

All exams will be multiple-choice and machine graded. Each student must take the exam during their assigned exam time. Each student must present their Gator ID to take the in person exam. No additional time will be given to complete an exam if you start late.

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**. In case of illness or personal emergency on exam day, students must submit documentation to the Dean of Students office (https://care.dso.ufl.edu/instructor-notifications/) and request an instructor notification to be sent. These notes must be received within five business days after the exam.

2. Online Assignments (*Achieve*)

As part of BSC2010, you are required to complete online assignments administered through the *Achieve* site that will account for 15% of your overall grade (5% for each unit). 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.

1. ***Setting Up Your Account***

You must set up your *Achieve* 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 *Achieve*. This cannot be changed after registration; be sure to register correctly.

NOTE: if you already purchased *Achieve* 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 (#5, 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.

2. ***Grading of Online Exercises***

There are several different types of assignments that students will have to complete:

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

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

3. ***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 *Achieve* 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.

4. ***Due Dates***

Note that all due dates for assignments are clearly posted in the *Achieve* Gradebook and Calendar and reflect the most up-to-date information. The deadline for assignments is 11:59 p.m. on the day stated on the lecture schedule. **All assignments must be completed by the stated due date and time for credit. There are NO make-ups available for *Achieve* assignments.** Extensions for Achieve 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.

5. ***Technical Issues***

For help with *Achieve* technical issues, contact *Achieve* 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 *Achieve* or a particular assignment within *Achieve*, you must contact *Achieve* technical support **FIRST, at least 2 days before the deadline. Achieve 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.

3. Learning Catalytics Questions

Students will receive up to 25% of the total course points for participation in the daily clicker/discussion questions that are to be answered using the classroom response system (*Learning Catalytics* [*LC*]). Students may not make up *LC* 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 sessions in *LC* to ensure that their submissions were correctly received, and to contact *LC* support to resolve any issues with submissions not being properly recorded in the *LC* gradebook.

To log in, go to https://learningcatalytics.com/sign_in?login=true

1. ***Grading***

The score earned will reflect the proportion of LC questions answered correctly in class. Each question posted will be scored as 0.25 LC points for participation with an additional 0.75 LC points for a correct answer. For each course lecture unit, LC score is scaled to a max of 85% to buffer for occasional absences or technological issues. What this means is that if you earned at least 85% of the total available LC points, you received full credit for the course points. If you earned less than 85% of the total LC points, your score is scaled out of 85%, and you received that proportion of the course points. For example, if you earned 60% of the LC points, your score in the Canvas gradebook would be 0.6/0.85 = 70.6%.

All LC questions must be completed by the stated due date and time for credit. There are NO make-ups available for Learning Catalytics. Excuses for Learning Catalytics questions will only occur in extreme circumstances. A Dean of Students note verifying documentation of illness or a personal matter must be provided for **missing at least three classes** for excuses to be considered.

2. Setting up Your Account

Please follow the instructions outlined here: https://goo.gl/e6EG71
Information about computer system requirements can be found here: https://goo.gl/6EHBSC
IMPORTANT: when creating your account, you must use your Gatorlink (@ufl.edu) e-mail address. Failing to do so will result in receiving NO CREDIT for *LC* 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.

3. Technical Issues

For problems with Learning Catalytics, contact Pearson 24/7 Technical Support:

- https://support.pearson.com/getsupport/s/contactsupport
- https://help.pearsoncmg.com/learning_catalytics/student/en/Topics/lc_looking_for_help.htm
- 800-677-6337

4. Extra Credit

Each instructor will offer 2 points of extra credit per unit, to be applied toward the unit exam. The same content and amount will be offered to all students. There will be no extra credit tailored to individual students.

5. Grading Summary

Assessment		Weight	
Exams	**Exam 1**	**20%**	**60%**
	Exam 2	**20%**	
	Exam 3	**20%**	
Achieve Assignments	**Unit 1**	**5%**	**15%**
	Unit 2	**5%**	
	Unit 3	**5%**	
Learning Catalytics Questions	**Unit 1**	**8.33%**	**25%**
	Unit 2	**8.33%**	
	Unit 3	**8.33%**	

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 *Achieve* and *LC*. **If there is a discrepancy you must let us know within ONE week of the grade being posted on Canvas.**

Students in the Honors sections will have the course elements above weighted as 90% of their final grade, with their work from the Honors discussions making up the remaining 10%.

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

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.

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."

Any acts of cheating, plagiarism, or other forms of academic dishonesty will result in, **at minimum**, a 0 grade for the assignment, test, or quiz, and may include additional consequences up to and including a failing grade in the class. Sharing information about tests and quizzes with students in other sections who have not yet taken the exam or quiz, or posting on social media information about tests and quizzes that other sections have not yet taken, is a serious act of academic dishonesty. 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 Student Honor Code and Student Conduct Code at: https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/.

Attendance

Students are expected to attend all classes and are responsible for all material covered during the lecture, including announcements. You are encouraged to participate during office hours to ask questions

and reinforce material. In addition, your participation is necessary to earn points for Learning Catalytics questions; such points cannot be made up and answers may not be submitted from outside the lecture day. Students are expected to read the assigned chapters before lectures 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.

We understand that some of you may have unique circumstances this semester and are happy to accommodate as best as we can. Please contact us if you have extenuating circumstances that prevent you from participating in Learning Catalytics questions during your lecture days.

Netiquette and Communication Courtesy

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats.

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 2010 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	4
Achieve 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.

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.

Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

Lecture Schedule

Day	Date	Lecture Number	Topic	Chapter	Deadlines
Mon	22-Aug		NO CLASS YET		Mon
Weds	24-Aug	Lecture 0	Course Introduction		Weds
Dr. Oppenheimer's Cells unit					
Fri	26-Aug	Cells 1	Science as a Process/Life's Chemistry and the Importance of Water 1	1.1, 1.5, 2.1, 2.2	Animation & Quiz 2.1 Activity 2.2 Chapter 2 Summative Quiz
Mon	29-Aug	Cells 2	Life's Chemistry and the Importance of Water 2	2.3, 2.4, 2.6	
Weds	31-Aug	Cells 3	Lipids and Carbohydrates	3.1, 3.2	
Fri	2-Sep	Cells 4	Nucleic Acids and Proteins	3.3, 3.4	Animation & Quiz 3.1 Animation & Quiz 3.2 Animation & Quiz 3.3 Animation & Quiz 3.4 Animation & Quiz 3.6 Animation & Quiz 3.7 Chapter

					3 Summative Quiz
Mon	5-Sep		LABOR DAY - NO CLASS		
Weds	7-Sep	Cells 5	Proteins and Enzymes	3.4, 3.5	
Fri	9-Sep	Cells 6	Membranes	4.1, 4.2, 4.3	
Mon	12-Sep	Cells 7	Cell Structure 1	4.4	
Weds	14-Sep	Cells 8	Cell Structure 2	4.5	
Fri	16-Sep	Cells 9	Cell Signaling 1	6.1, 6.2	Animation 4.4 The Golgi Apparatus Animation 4.4 Quiz Chapter 4 LearningCurve Chapter 4 Summative Quiz Animation 6.1 Signal Transduction and Cancer Animation 6.1 Quiz Animation 6.2 Signal Transduction Pathway Animation 6.2 Quiz Chapter 6 LearningCurve Chapter 6 Summative Quiz"
Mon	19-Sep	Cells 10	Cell Signaling 2	6.3, 6.4	
Weds	21-Sep	Cells 11	ATP and Redox Reactions	5.1	
Fri	23-Sep	Cells 12	Respiration and Fermentation	5.2	
Mon	26-Sep	Cells 13	Photosynthesis	5.5	Animation 5.1 Electron Transport and ATP Synthesis Animation 5.1 Quiz Activity 5.2 Glycolysis and Fermentation Activity 5.3 The Citric Acid Cycle Activity 5.5 The Respiratory Chain Animation 5.4 Photophosphorylation

					Animation 5.4 Quiz Chapter 5 Summative Quiz"
Weds	28-Sep		**EXAM 1**		
Dr. Hauser's Genetics unit					
Fri	30-Sep	Genetics 1	Cell Cycle and Mitosis	CH 7	
Mon	3-Oct	Genetics 2	Meiosis	CH 7	LP Activity 7.2 Animation + Quiz; LP Activity 7.4; Ch7 Summative Quiz.
Weds	5-Oct	Genetics 3	Mendel–Monohybrid Cross	CH 8	
Fri	7-Oct	Genetics 4	Mendel–Dihybrid Cross	CH 8	LP Activity 8.1
Mon	10-Oct	Genetics 5	Non-Mendelian Genetics	CH 8	
Weds	12-Oct	Genetics 6	Chromosomes and Linkage	CH 8	LP Ch 8 Summative Quiz;
Fri	14-Oct	Genetics 7	Genetic Material and Mutation	CH 9	
Mon	17-Oct	Genetics 8	In-class Activity: DNA Replication	LP Animation 9.1 + Quiz; Ch 9 Summative Quiz	
Weds	19-Oct	Genetics 9	Transcription	CH 10	
Fri	21-Oct	Genetics 10	Translation	CH 10	LP Activity 10.2; Activity 10.4 + Quiz
Mon	24-Oct	Genetics 11	In-class Activity: Central Dogma		Mon
Weds	26-Oct	Genetics 12	Gene Regulation I: Prokaryotes	CH 11	Ch 10 Summative Quiz;
Fri	28-Oct	Genetics 13	Gene Regulation II: Eukaryotes	CH 11	LP Animation 11.1 + Quiz; Ch 11 Summative Quiz
Dr. Baer's Evolution unit					
Mon	31-Oct	Evolution 1	History of Evolutionary Thought	13	
Tues	1-Nov		**EXAM 2**		

Weds	2-Nov	Evolution 2	Natural Selection	13	
Fri	4-Nov	Evolution 3	Sexual Selection and Other Types of Selection	13	Launchpad - Animation 13.1 and quiz, video 13.1
Mon	7-Nov	Evolution 4	Hardy-Weinberg and the Forces of Evolution	13	
Weds	9-Nov	Evolution 5	Molecular Evolution	15	
Fri	11-Nov		VETERAN'S DAY		
Mon	14-Nov	Evolution 6	Evolution of Sex; Adaptations	13	Launchpad - Activity 13.2, 13.3, 13.5; Video 13.3, Ch 13 Learning curve and Summative quiz, video 15.1, analyze data companion exercise 15.3
Weds	16-Nov	Evolution 7	Species and Speciation	16	
Fri	18-Nov	Evolution 8	Modes of Speciation	16	Launchpad - Activity 16.1, animation 16.1
Mon	21-Nov	Evolution 9	Reading Phylogenies	14	
Weds	23-Nov		THANKSGIVING HOLIDAY		
Fri	25-Nov		THANKSGIVING HOLIDAY		
Mon	28-Nov	Evolution 10	Building Phylogenies	14	
Weds	30-Nov	Evolution 11	History of Life on Earth I	17	
Fri	2-Dec	Evolution 12	History of Life on Earth II	17	Launchpad - Activity 14.1, Animation 14.1 and quiz; Activity 17.1, media clip 17.1, video 17.2
Mon	5-Dec	Evolution 13	Review		
Weds	7-Dec		**EXAM 3**		

Getting Help & Supplemental Instruction

Getting Help

If you have a non-tech-support question about the course, check the following sources first to see if it is already answered, before emailing your instructors:

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

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

See page Assessments and Grading for information on how to get help with Achieve and Learning Catalytics.

A. Questions about Grades in Canvas, online assignments (Achieve), and in-class participation credit (Learning Catalytics)

All correspondence regarding the online assignments (Achieve), in-class participation (Learning Catalytics), and grades in Canvas must be sent to the Online instructor/TA.

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

When you have a question, 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 your TA.. Barring unusual circumstances, expect a reply within 24 hours during the work week (Monday – Friday at 5 pm). E-mails and Canvas Discussion posts are checked at least once per day, but sometimes not more than that.

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. There are several online help resources (https://counseling.ufl.edu/resources/online/) provided by the UF Counseling and Wellness Center or contact on of the following services:

Health and Wellness

1. **U Matter, We Care:** If you or someone you know is in distress, please contact mailto:umatter@ufl.edu, 352-392-1575, or visit umatter.ufl.edu to refer or report a concern and a team member will reach out to the student in distress.
2. **Counseling and Wellness Center:** Visit counseling.ufl.edu or call 352-392-1575 for information on crisis services as well as non-crisis services.
3. **Student Health Care Center:** Call 352-392-1161 for 24/7 information to help you find the care you need, or visit shcc.ufl.edu.

4. **University Police Department:** Visit police.ufl.edu or call 352-392-1111 (or 9-1-1 for emergencies).
5. **UF Health Shands Emergency Room/Trauma Center:** For immediate medical care in Gainesville, call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; ufhealth.org/emergency-room-trauma-center.

Academic and Student Support

1. **Career Connections Center:** 352-392-1601. Career assistance and counseling services career.ufl.edu/.
2. **Library Support:** Various ways to receive assistance with respect to using the libraries or finding resources: cms.uflib.ufl.edu/ask
3. **Teaching Center:** 352-392-2010 General study skills and tutoring: teachingcenter.ufl.edu/
4. **Writing Studio:** 352-846-1138. Help brainstorming, formatting, and writing papers: writing.ufl.edu/writing-studio/

Course Technology REQUIREMENTS

It is the responsibility of the student to maintain a functioning computing system and internet connection that can meet the minimum technical requirements of the course.

Computing/internet connectivity issues will NOT be acceptable excuses for missed deadlines unless they are brought to the attention of the instructor at least 48 hours prior to the deadline and accompanied by the ticket number from technical support.

Software Use

All faculty, staff, and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Technology	Privacy Policy	Accessibility Policy/Statement
Instructure (Canvas)	Privacy Policy	Accessibility
Sonic Foundry (Mediasite Streaming Video Player)	Privacy Policy	Accessibility

Zoom	Privacy Policy	Accessibility
YouTube (Google)	Privacy Policy	Accessibility
Microsoft	Privacy Policy	Accessibility
Adobe	Privacy Policy	Accessibility
MacMillan Learning (Achieve)	Privacy Policy	Accessibility

Disclaimer

This syllabus represents the instructors' current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.