

Course Syllabus

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(https://cf.instructure.com/courses/1751300/files/138084610/download?download_frd=1)

I. Course Information

Course Title: Integrated Principles of Biology
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Course No. and Section: BSC2010 (70)

Instructor Name: Karen Stancil, Ph.D.

Credit Hours: 3

Course Location: ONLINE/Canvas

Office Location: 2-217D

Office Hours: On campus Mon and Tues 1pm-
2 pm; Online Mon-Thurs 8am-11am

Telephone No.: 352-854-2322 x1657

Email: stancilk@cf.edu (<mailto:stancilk@cf.edu>)

Meeting Day & Time: NA

Meeting Dates: NA



II. Course Description

This course covers the chemistry of biological molecules, the architecture and organization of cells, the reactions that enable living systems to obtain and utilize energy, as well as classical, modern, and human genetics. To receive lab credit, students should also register for BSC2010L. This course is intended to serve as an introductory class for students of the biological sciences (i.e. a course for science majors).

Objectives:

- Develop an understanding of cellular structure and function.
- Develop an understanding of basic metabolic pathways that enable organisms to obtain and utilize energy.

- Apply principles of genetics and molecular biology to explain how genes are inherited and affect organism phenotypes.

Pre/Corequisites: To be successful in this class, you will need strong reading, writing, and math skills, up to and including algebra.

Required Text:

Biology by OpenStax College. 2013; ISBN-13: 978-1-938168-09-3

- This is an open source (i.e. FREE) textbook. You can obtain a free electronic copy of this textbook using this link: [Biology by OpenStax textbook \(https://openstax.org/details/books/biology-ap-courses\)](https://openstax.org/details/books/biology-ap-courses)
- If you want a printed/hard copy of this textbook, there is a cost. This can be purchased online from the same website or through the CF bookstore. **This is optional, and you are not required to purchase a copy. However, if you dislike reading on a screen, please buy a printed book.**

Other Required Materials:

- a computer, laptop, or tablet
- robust internet access (note: available at the CF Library and hotspots around campus)

III. Student Learning Outcomes/Course Objectives

The following list offers students a consistent way to see how CF's global learning outcomes are assessed in each class. This is for information purposes only and does not change the grading system used in this class. Only those learning outcomes relevant to this course are included below.

This course assesses the following CF Institutional Learning Outcomes for Critical Reasoning:

1. Accurately interpret evidence, statements, graphics, questions, etc. (Homework and Exams)
2. Identify important arguments. (Homework and Exams)
3. Thoughtfully analyze and evaluate alternative points of view. (Homework and Exams)
4. Draw valid conclusions. (Homework and Exams)

5. Justify and explain assumptions and reasons. (Homework and Exams)

IV. Assessment

Your course grade will be calculated from homework, assignments and exams. One low homework score, one low lecture score, and one low exam score will be dropped (i.e. not count towards the final grade). **All assignments and exams must be submitted during the posted time frame (no exceptions).** Once you begin your online exams, the allotted time will begin and you will not be permitted to “save” your progress to resume later. This means that you should not begin the exams until you are prepared to complete them in their entirety. **No makeup assignments (homework or exams) will be given.** *If the instructor determines that a student will take an exam at another time due to a college activity or medical situation, the exam will be administered in a proctored location, will be closed-notes, and will be in an essay format. These exams will only be given at other times under extreme circumstances and are up to the instructor’s discretion.*

Semester grades will be assigned as follows: A=100-90.0%, B+=89.99-87.0%, B=86.99-80.0%, C+=79.99-77.0%, C=76.99-70.0%, D=69.99-60.0%, F=59.99% and below. **Any grade disputes must be brought to the instructor’s attention within one week of grade posting.** After 7 days, each assignment’s grade is final. The study sheet assignments (listed on the course schedule) are the only opportunities available for extra credit. They must be submitted by the deadlines posted on the course schedule.

SPECIAL NOTE: The final grade depends solely on the student’s performance on class requirements during the scheduled class term. There is no “extra credit” after the term closes. The instructor will not entertain any discussions about grade changes unless there has been a calculation error.

Semester Grade:

- Homework-50%
- Lectures-20%
- Exams-30%

NOTE: It is recommended that students do not travel or take vacations during this course. However, if a student chooses to do this, they must ensure that they have reliable wifi and computer access. They will be expected to complete all assignments as scheduled.

General Policies

- Late assignments will NOT be accepted. Keep this in mind and plan ahead.
Technical difficulties and/or unforeseen situations can occur at the last minute and these will NOT be considered valid excuses.
- There are NO makeup assignments or exams.
- Cheating and plagiarism will NOT be tolerated; engaging in these activities may result in a grade of "F" for the course, regardless of the number of violations.
- Online exams are meant to be completed with notes only. If a student "leaves" a canvas quiz to access any other programs/materials/browser tabs/etc. on their computer during an exam, this will be considered cheating. Be advised that this is monitored by canvas. Canvas does consider access of a digital textbook on the computer being used for the quiz as "leaving". If you are using textbook notes/materials during a quiz, they must be on a separate device and/or printed.
- Students are expected to work alone on exams. Be aware that the statistics feature in Canvas monitors how and when students complete online assignments (including exams). IP addresses trace user location and are recorded. If two students take exams at the same time and IP address, the possibility of cheating may be pursued.
- Exams and assignments will NOT be re-scheduled for students that travel during the course. Unless CF is officially closed, students are expected to be able to complete all work as originally scheduled.
- Final course grades will be determined with strict adherence to the Assignment/Grades section of the syllabus. No supplemental assignments will be considered.

V. Course Schedule/Outline

This is an online course. The course materials and assignments will be through Canvas (<https://cf.instructure.com>), and it is the student's responsibility to ensure sufficient internet access to obtain the course materials and complete course assignments. Course work CANNOT be made up. Lack of internet access and/or individual computer problems WILL NOT be considered valid excuses. Recorded videos and supplemental study resources will be delivered through Canvas. Students are expected to check Canvas at least once each weekday (Monday through Friday) to ensure that they do not miss any announcements or emails from the instructor. Grades will be viewable in Canvas at all times.

MODULE	DUE DATE	ASSIGNMENTS

Module 1 Final Deadline 9/3	8/18	Introduction Discussion-- initial post
	8/20	Ch2 Homework & Lectures
	8/22*	Introduction Discussion--replies
	8/27	Ch3 Homework & Lectures
	9/1	Ch4 Homework & Lectures
	9/1*	Ch 2-4 Study Sheet-EXTRA CREDIT
	9/3	Exam 1 (Chapters 2-4): Thurs, Sept 1 – Sat, Sept 3 ONLY
Module 2 Final Deadline 9/24	9/10	Ch5 Homework & Lectures
	9/17	Ch6 Homework & Lectures
	9/22	Ch7 Homework & Lectures
	9/22*	Ch 5-7 Study Sheet-EXTRA CREDIT
	9/24	Exam 2 (Chapters 5-7): Thurs, Sept 22 – Sat, Sept 24 ONLY
Module 3 Final Deadline 10/15	10/1	Ch8 Homework & Lectures
	10/8	Ch9 Homework & Lectures
	10/13	Ch10 Homework & Lectures
	10/13*	Ch 8-10 Study Sheet-EXTRA CREDIT
	10/15	Exam 3 (Chapters 8-10): Thurs, Oct 13 – Sat, Oct 15

		ONLY
Module 4 Final Deadline 11/5	10/22	Ch11 Homework & Lectures
	10/29	Ch12 Homework & Lectures
	11/3	Ch13 Homework & Lectures
	11/3*	Ch 11-13 Study Sheet-EXTRA CREDIT
	11/5	Exam 4 (Chapters 11-13): Thurs, Nov 3 – Sat, Nov 5 ONLY
Module 5 Final Deadline 12/3	11/12	Ch14 Homework & Lectures
	11/19	Ch15 Homework & Lectures
	12/1	Ch16 Homework & Lectures
	12/1*	Ch 14-16 Study Sheet-EXTRA CREDIT
	12/3	Exam 5 (Chapters 14-16): Thurs, Dec 1 – Sat, Dec 3 ONLY
12/5	12/5	FINAL EXAM (all chapters from term, Ch2-16): Sun, Dec 4 – Mon, Dec 5 ONLY

*All posted deadlines are 11:59pm EST. Note that the study sheet assignments and introduction discussion MUST be submitted on time. These deadlines are FIRM and no late submissions will be accepted. Other assignments will be accepted up to but no later than the final deadline of the module.








The College of Central Florida is committed to helping you succeed and achieve your academic, personal and career goals. There are a wide range of resources and support services available to you. When students are connected early to resources and support systems on campus they are more likely to stay in classes, perform better in





those classes, and complete their path more quickly. One example is through an Early Support Program, where you may receive an email indicating your professor or advisor is reaching out directly to help connect you to support services. This may include connecting you to tutoring, financial support, psychological support services, and disability services just to name a few. Be aware, you can also reach out to these services on your own as well. Additionally, we offer free tutoring, disability services, a testing center, and many other resources which are all available to you. Please refer to the College Resources, Dates, and Policies document in the lefthand navigation of your Canvas course to learn more about these supports.

Class Schedule

Course Summary:

Date	Details	Due
Thu Aug 18, 2022	 Introduction Discussion-Initial Post (https://cf.instructure.com/courses/1751300/assignments/12530393)	due by 11:59pm
Sat Aug 20, 2022	 Ch2 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530373)	due by 11:59pm
	 Ch2-Homework (https://cf.instructure.com/courses/1751300/assignments/12530335)	due by 11:59pm
Mon Aug 22, 2022	 Introduction Discussion Forum-Note that the initial post has an earlier deadline (see course schedule on syllabus page) (https://cf.instructure.com/courses/1751300/assignments/12530351)	due by 11:59pm
Sat Aug 27, 2022	 Ch3 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530375)	due by 11:59pm
	 Ch3-Homework (https://cf.instructure.com/courses/1751300/assignments/12530333)	due by 11:59pm
Thu Sep 1, 2022	 Ch 2-4 Study Sheet-No late submissions accepted (https://cf.instructure.com/courses/1751300/assignments/12530371)	due by 11:59pm

Date	Details	Due
	 Ch4 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530377)	due by 11:59pm
	 Ch4-Homework (https://cf.instructure.com/courses/1751300/assignments/12530309)	due by 11:59pm
Sat Sep 3, 2022	 Exam 1 (Chapters 2-4) (https://cf.instructure.com/courses/1751300/assignments/12530331)	due by 11:59pm
	 Ch5 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530381)	due by 11:59pm
Sat Sep 10, 2022	 Ch5-Homework (https://cf.instructure.com/courses/1751300/assignments/12530327)	due by 11:59pm
	 Ch6 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530383)	due by 11:59pm
Sat Sep 17, 2022	 Ch6-Homework (https://cf.instructure.com/courses/1751300/assignments/12530325)	due by 11:59pm
	 Ch 5-7 Study Sheet-No late submissions accepted (https://cf.instructure.com/courses/1751300/assignments/12530379)	due by 11:59pm
Thu Sep 22, 2022	 Ch7 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530385)	due by 11:59pm
	 Ch7-Homework (https://cf.instructure.com/courses/1751300/assignments/12530341)	due by 11:59pm
Sat Sep 24, 2022	 Exam 2 (Chapters 5-7) (https://cf.instructure.com/courses/1751300/assignments/12530313)	due by 11:59pm
	 Ch8 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530389)	due by 11:59pm
Sat Oct 1, 2022	 Ch8-Homework (https://cf.instructure.com/courses/1751300/assignments/12530329)	due by 11:59pm
Sat Oct 8, 2022	 Ch9 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530391)	due by 11:59pm

Date	Details	Due
	 Ch9-Homework (https://cf.instructure.com/courses/1751300/assignments/12530321)	due by 11:59pm
	 Ch 8-10 Study Sheet-No late submissions accepted (https://cf.instructure.com/courses/1751300/assignments/12530387)	due by 11:59pm
Thu Oct 13, 2022	 Ch10 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530353)	due by 11:59pm
	 Ch10-Homework (https://cf.instructure.com/courses/1751300/assignments/12530349)	due by 11:59pm
Sat Oct 15, 2022	 Exam 3 (Chapters 8-10) (https://cf.instructure.com/courses/1751300/assignments/12530337)	due by 11:59pm
	 Ch11 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530357)	due by 11:59pm
Sat Oct 22, 2022	 Ch11-Homework (https://cf.instructure.com/courses/1751300/assignments/12530311)	due by 11:59pm
	 Ch12 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530359)	due by 11:59pm
Sat Oct 29, 2022	 Ch12-Homework (https://cf.instructure.com/courses/1751300/assignments/12530319)	due by 11:59pm
	 Ch 11-13 Study Sheet-No late submissions accepted (https://cf.instructure.com/courses/1751300/assignments/12530355)	due by 11:59pm
Thu Nov 3, 2022	 Ch13 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530361)	due by 11:59pm
	 Ch13-Homework (https://cf.instructure.com/courses/1751300/assignments/12530323)	due by 11:59pm
Sat Nov 5, 2022	 Exam 4 (Chapters 11-13) (https://cf.instructure.com/courses/1751300/assignments/12530339)	due by 11:59pm
Sat Nov 12, 2022	 Ch14 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530365)	due by 11:59pm

Date	Details	Due
Sat Nov 19, 2022	 Ch14-Homework (https://cf.instructure.com/courses/1751300/assignments/12530317)	due by 11:59pm
	 Ch15 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530367)	due by 11:59pm
	 Ch15-Homework (https://cf.instructure.com/courses/1751300/assignments/12530315)	due by 11:59pm
Thu Dec 1, 2022	 Ch 14-16 Study Sheet-No late submissions accepted (https://cf.instructure.com/courses/1751300/assignments/12530363)	due by 11:59pm
	 Ch16 Lectures (https://cf.instructure.com/courses/1751300/assignments/12530369)	due by 11:59pm
	 Ch16-Homework (https://cf.instructure.com/courses/1751300/assignments/12530347)	due by 11:59pm
Sat Dec 3, 2022	 Exam 5 (Chapters 14-16) (https://cf.instructure.com/courses/1751300/assignments/12530345)	due by 11:59pm
Mon Dec 5, 2022	 FINAL Exam (Ch 2-16) (https://cf.instructure.com/courses/1751300/assignments/12530343)	due by 11:59pm