

## Syllabus Fall 2022

Fall B (Oct. 10 – Dec. 7)

### I. Course Information

Course Title: Concepts of Biology

Meeting Day & Time: Online

Course No. & Section: BSC1005-72

Course Location: Online

Credit Hours: 3

Meeting Dates: Any zoom office hours

Instructor Name: K. Lewis

Telephone No.: x 1467

Office Location: 2-218F & ZOOM

Email: Lewisvok@cf.edu

Office Hours: See below

Please use Canvas Inbox! Or zoom office hours

Extended Emergency Closure

For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our [website](#) (CF.edu).

### II. Course Description

My teaching philosophy is somewhat Socratic but also involves encouraging online students to be curious, ask questions about the materials & enjoy a non-majors science course while learning plenty of new things about biology.

Course goals and description: BSC 1005 is an introductory biology course which covers basic biological concepts, concentrating on selected principles that help explain molecular biology, evolution, genetics, growth and disease. It is designed to stimulate interest in the variety of life that exists on our planet, help students recognize the factors that provide order in this variety, and involve students in the processes of inquiry, observation and analysis of biological organization in order to give them a foundation for intelligently interpreting and evaluating biological topics

Pre/Corequisites: None although To be successful in this class, you will need strong reading, writing, and math skills.

Required Text Title: Concepts of Biology

ISBN No.: 978-1-938168-11-6 OR you can try 1-938168-11-9

Author of Text: Openstax.org

Edition: NA

Required Materials: openstax.org book access

**III. Student Learning Outcomes/Course Objectives.**

Learning Outcome	Quiz	Exam	Project	Classroom Activity
<b>Quantitative and Analytical Reasoning: The student will understand and apply mathematical and scientific principles and methods.</b>				
1. Perform accurate computations using order of operations with and without technology.	X	X		
2. Identify and organize relevant information and complete the solution of an applied problem.	X	X		
3. Interpret and communicate understanding of visual representations of data.	X	X		
4. Demonstrate mathematical number sense and unit sense.	X	X		

**Assessment**

- The instructor does not give you a grade. He/she awards you the grade you earn.
- **There will be NO make-up assignments, quizzes or tests unless students communicate an emergency within 24 hours of the missed work.**

Your final grade will be calculated based on:

60% Exams & chapter \* + 40% Assignments (including discussions & activities)

Openstax.org pdf & integration with Canvas will be attempted.

## Grading scale:

<b>A</b>	<b>90.0-100</b>
<b>B+</b>	<b>87.0-89.9</b>
<b>B</b>	<b>80.0-86.9</b>
<b>C+</b>	<b>77.0-79.9</b>
<b>C</b>	<b>70.0-76.9</b>
<b>D</b>	<b>60.0-69.9</b>
<b>F</b>	<b>0-59.9</b>

**Course Schedule/Outline**

<b>Preparation, Activities and Evaluation</b>	<b>Date</b>
Introduction/Orientation	10/10
Chapter 1 - An Introduction to Biology	
Chapter 2 – The Chemistry of Life	
Chapter 3 – Cell Structure and Function	
Chapter 4 – 4.1 & 4.2 Energy, Metabolism & Glycolysis only	
Discussion/Activities chapters 1-4.2	
<b>Test #1 (Chapters 1-4)</b>	
Chapter 6 – Reproduction at the cell level	
Chapter 7 – Cellular Basis of Inheritance	
Chapter 8 - Patterns of Inheritance	
Discussion/Activities chapters 6-8	
<b>Test #2 (Chapters 6-8)</b>	
Chapter 9 – Molecular Biology	
Chapter 10 – Biotechnology	
Chapter 13 – Diversity of Microbes, Fungi & Protists	
Discussion/Activities chapters 9, 10 & 13	
<b>Test #3 (Chapters 9, 10 &amp; 13)</b>	

STATEMENT: Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes. Tentative class schedule – weekly, daily, thematically, etc. (class assignments, reading, quizzes, etc. Include schedule of approved field trips and guest speakers, if appropriate. Tables must have headers on all columns and rows to be ADA accessible. Please keep in mind that tables are difficult to edit in Canvas and are best edited in Word and copied and pasted into the Canvas Syllabus tool.

#### IV. Assessment

**Attendance:** Each student is required to attend all class meetings. Attendance is required for all tests and **there will be no make-up tests**. Non-attendance does not constitute withdrawal from this course. It is the student's responsibility to complete the withdrawal forms by the appropriate date. (Attendance accounts for 10% of Final Grade.) Attendance for this online course requires multiple days of activity online with assignments, activities & quizzes or tests.

**Make-up policy:** No make-up work will be given unless there is an emergency or prior approval has been given by the instructor. In such an event, you must notify your professor before the exam or item is due unless the emergency prohibits it and you may be asked to bring proof of the emergency. A make-up exam must be taken within one week of the original exam date unless the

emergency prohibits it. While you do not need to disclose personal details, let your professor know as soon as possible if something is preventing you from participating online or completing work.

### **Proctoring**

In order to verify student identity on assessments, this course requires proctored assessment(s). Assessments are proctored online through Honorlock or at a CF Testing location. If you plan to take a proctored exam online, you will be required to have a computer with Google Chrome, webcam and microphone.

**Student Core Competencies:** This course seeks to reinforce the following Student Competencies: **Think** clearly, critically and creatively by analyzing, synthesizing, integrating and evaluating symbolic works and truth claims. Reflect on your own and others' **Values** from individual, cultural and global perspectives. **Communicate** by reading, listening, writing and speaking effectively. **Act** purposefully, reflectively and responsibly by implementing effective problem solving and decision-making strategies.

**Netiquette (Discussion Boards, Email, ALL Online & Virtual communications):** The term 'netiquette' refers to the awareness of the need for a certain code of behavior (etiquette) in electronic environments (the net) Net + Etiquette = netiquette.

In order to maintain a positive online environment for our class, we all need to follow the netiquette guidelines summarized below **all students are expected to:**

- Always show respect for the professor, tutors and for other students in the class discussions, online & via email/canvas messages. This includes ADDRESSING YOUR CLASSMATES, Tutors, BY NAME IN EACH DISCUSSION REPLY & message. Remember to address me by my last name.
- Always respect the privacy of other students
- Always express differences of opinion in a polite and rational way
- Always maintain an environment of constructive criticism when commenting on the work of other students (language that is negative, disrespectful or stereotyping WILL result in being withdrawn from the course).
- Always avoid bringing up irrelevant topics when involved in group discussions or other collaborative activities
- Always avoid asking Tutors, and Lab Techs answers to quizzes, tests, labs activities etc. Please ask me directly & no one else.
- Always avoid discussing your personal grades and scores with anyone in the course including Tutors, and Lab Techs. Please ask me directly & no one else.

The following list summarizes the kind of behavior that is not acceptable. Each item listed below is grounds for removal from the class. **Students are expected to avoid:**

- Never show disrespect for the professor, tutors, and other students in the online class, discussions, or via email to anyone associated with CF at any point in time.
- Never send messages or comments that are threatening, harassing, or offensive
- Never use inappropriate or offensive language that is negative, disrespectful or stereotyping of ANY people, culture, ethnicity, gender, other students, faculty, or staff

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- Never convey a hostile or confrontational tone when communicating or working collaboratively with other students
- NEVER ask for answers to quizzes, tests, labs activities etc.
- NEVER ask Tutors or Lab Techs answers to quizzes, tests, labs activities etc. Please only ask me directly.
- NEVER discuss your personal grades and scores with anyone in the course including Tutors, Lab Techs or Teaching Coaches. Please ask me directly & no one else.

\*\*If I feel that a student is violating or has violated any of the above guidelines, I will contact that student to discuss the situation in person. If you feel that a student is behaving inappropriately, please send me a private email or Canvas message explaining the situation as soon as possible. If you are engaging in electronic environments as a member of this class then you are subject to the same expectations and rules of conduct any instructor, staff, or administrator might expect of you in a face-to-face environment. Additionally, whether or not you are entering an electronic environment as a member of the class, if you are doing so via a Canvas or Atlas account, you are legally responsible to abide by Central Florida College's policies and expectations. Students may be referred to the Department Chair, a Dean and/or withdrawn from the course for violating any Central Florida College's or course specific policies

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 your Canvas course to learn more about these supports and policies.](#)