

Week	Lec 1	Lec 2	Reading	Topics
1	15-Feb		Ch 1, Ch 25, Ch 26	The History of Life on Earth, From one cell to many
		16-Feb	Ch 31, Ch 32	Blood and Guts, Pumps and Pipes I
2	22-Feb		Ch 51, Ch 47, Ch 48	The Challenge of Regulation, Support, and Movement
		23-Feb	Ch 42, Ch 43	The Challenge of Reproduction
3	29-Feb		Ch 52	Introduction to Evolution, What Is It and What Is It Good For?
		1-Mar	Ch 53	The Four Forces of Evolution
4	7-Mar		Ch 54	Natural Selection, Sexual Selection
		8-Mar	Ch 55, Ch 56	The Origin of Species, Speciation
5	14-Mar		Ch 33, Ch 34,	Introduction to Energy and Matter, Why are plants green? From radiant to chemical energy
		15-Mar	Ch 35	Coupling of energy and matter: generation of organic carbon
6	21-Mar		Ch 27, Ch 38	Why is water so important for plants?, Decoupling of energy and matter: oxidation of organic carbon
		22-Mar	Ch 57, Ch 58	Fossil fuels: ecosystem services and global warming
7	28-Mar		Ch 44, Ch 45	How natural selection shapes behaviors, Learning, Memory, and Aging
		29-Mar	Ch 52	Proximate vs. Ultimate Explanations For Behaviors
8	4-Apr		Study	Pre"Midterm Review
		5-Apr		MIDTERM
	18-Apr			Post "Midterm Review
9		19-Apr	Ch 46, Ch 40	Mechanisms of Behavior
10	25-Apr		Ch 56, Ch 28	Evolution of Social Behavior, Introduction to Living Together
		26-Apr		Newt and Snake Arms Race
11	2-May		Ch 28, Ch 37	Co-evolution and Pollination I and II
		3-May	Ch 56, Ch 50	Keystone Species and the missing trees
12	9-May	3	Ch 41	Parasites and Ecology: Lyme Disease
13		10-May	Ch 26.4	Introduction to Climate Change, Climate Change, Ocean Acidification and Coral Reefs
			Ch 55	Ballast Water and Invasive Species
14	16-May		Ch 36	Potential Effects of Climate Change on Soil Biodiversity and Function, Sustainability and Sustainable Agriculture
		17-May	Ch 20	Can't We Just Evolve Our Way Out of This Mess?
15	FINALS WEEK -			FINAL EXAM

Course Policies

Academic Integrity Policy -- **YOU MUST READ AND FOLLOW**

Each student will be evaluated only for her/his own work. Students are encouraged to work and study together; however, what you put down on your problem sets, lab reports, and exam papers should be your own work in your own words. Be aware that you will not be helping your friends by allowing them to copy. Do not allow your friends to make use of your problem sets or, lab reports and exams, allowing them to copy will not help them in the long run. Such behavior, as all forms of cheating, is unfair and disrespectful to yourself, to all the students in the class, to your instructors and teaching assistants, and to the University. A student involved in cheating has misused the trust extended to him or her. If discovered, **such behavior will have DISCIPLINARY consequences for all parties involved.**

Violations of academic integrity will result in zero grades for that worksheet or exam, both for those who cheat and those who allow and help them cheat. In all such situations we will ask you to have a face-to-face meeting with the instructor. We have mutual trust and respect for each other as individuals while sharing a collaborative learning experience. This is very valuable for all of us, and having to lose this trust and respect would be very regrettable.

Question related to lectures: Since this is a simple basic biology course all lecture related and course related questions should be asked directly to the TAs. However, in the rare instance that a particularly important matter has to be discussed which cannot be solved by the TA then the student should email the instructor or take an appointment by email to meet for office hours.

Grading: If the first decimal place is 5 and larger, then the number will be rounded up to the next integer (e.g., 67.5 → 68). Failing to take **one** of the exams without a medical excuse will result in failing the course. The letter grade ranges are provided in the table below.

Letter Grade	Criteria for Earning Grade
A	100 – 90 %
A -	89 – 85 %
B +	84 – 80 %
B	79 – 75 %
B -	74 – 70 %
C +	69 – 65 %
C	64 - 60 %
C -	59 – 55 %
D +	54 - 50 %
F	Less than 49 %

NA Policy: If you miss one of the exams, you will automatically receive NA for the course. If you otherwise fail the course, you will receive NA

Cell/Mobile phone policy: Cellular phones that ring during lecture are extremely disruptive to a productive learning environment—distracting both the professor and the other students. Individuals that allow their phones to ring during class may be asked to leave. This also covers constant texting and vibrating phones. Please do not text during my class. I don't text with anyone during any part of the class and I ask you to also refrain for the 160 minutes of class, even during group work or discussions. Honestly, I find it insulting and rude. Any communication via an electronic device during an exam or quiz will be considered cheating. There is no problem if you would like to use them during the breaks in class. **However, if your phone becomes a**

distraction then I reserve the right to confiscate your phone and return it back at the end of the lecture.

Exams: Exams are closed-book and will be taken in-class (no longer than 50 minutes), and no outside sources of information are allowed, unless provided by the instructor. In the event that you take an exam at a time that differs from other students, no communication of any kind regarding the exam is permitted. Although all tests (including final) will be non-cumulative in details, you are expected to have a broader understanding of Life on Earth by the end of the semester. Make-up exams will be given only in extreme circumstances. Only notes from the Health Center and/or signed note from a medical doctor or President of the University may count as an excuse for missing an exam. Make-up exams will tend to be more difficult to discourage the behavior of missing the original exam time.

Disability Accommodations: If you need disability-related accommodations (extra time, etc.) for this course, please contact Miray Keskin Erdoğan at the Disable Students Support Unit Center of Individual and Academic Development (CIAD) address: Orhanlı, Tuzla, 34956, Istanbul, Turkey
e-mail: specialneeds@sabanciuniv.edu, miray.keskin@sabanciuniv.edu
telephone: + 90 216 483 9481
website: <http://ciad.sabanciuniv.edu/en/disabled-students-services>
Accommodations with an approved letter will be arranged on a case by case basis.

E-MAIL: Check for messages on SUcourse about the course frequently. E-mail is also the best way to make an appointment with the instructor. I will send e-mails to your Sabancı e-mail, be sure to check it.

Other important points:

- Attendance at all lectures and prompt arrival is expected.

- If you are involved in off-campus activities (e.g. dance, theater, sports, music) that asks you to leave town, please provide me with a list of your scheduled games or events at the START of the semester, as well as the phone number of the coach/supervisor, and I will make a reasonable effort to accommodate your needs.

Important Course Dates:

Midterm Exam (in class) – April 5th, 2024

Final Exam (finals week) – TBD

Student Learning Objectives:

By the end of this course you should be able to:

1. To gain an appreciation for the diversity of life created via evolution. Understand the life around you and gain a deeper respect for nature and the ecosystems around you.
2. Identify the evolutionary relationships between different life forms on Earth.
3. Describe the physiological basis of life in different life forms.