SH01001: GENERAL BIOLOGY
(SINH HỌC ĐẠI CƯƠNG)

Credits: 2 credits (Lecture: 1.5 – Practice: 0.5)

EXPECTED LEARNING OUTCOMES

Course objectives	COURSE EXPECTED LEARNING OUTCOMES After successfully completing this course, students are able to	Expected learning outcomes of program
	Knowledge	
CELO1	Analysis of the relationship among the structures, positions and functions of organelles in cells; characteristic of biological processes; stages in the biological evolution in the world .	ELO1
CELO2	Apply biological knowledge to explain the scientific basis of several issues related to biotechnology, cultivation, animal husbandry, veterinary medicine, food technology, environment.	ELO4
	Skills	
CELO3	Work in groups and organize working groups to discuss, analyze, write and present scientific reports.	ELO7
CELO4	Proficiently use of microscopes and basic equipment in biological practice, mastering in doing microscope templates .	ELO11
	Personal autonomy and responsibility	
CELO5	Compliance with rules in practice and theory; Be honest in reporting, taking exams.	ELO13
CELO6	Proactively study and raise awareness of self-study, humility, serious working style, high sense of responsibility	ELO15

CONTENT

Chapter 1: An overview of the organism's organization.

Chapter 2: The energy processes and metabolism of cells

Chapter 3: The cell division and reproduction in organisms

Chapter 4: The induction and adaptability of organisms

Chapter 5: The biological evolution.

Practice lesson

Lesson 1: Microscope - how to use and observe cells.

Lesson 2: Observing the plasmolysis and the de- plasmolysis of the cell.

Lesson 3: Observing the phases of mitosis and mitosis of cells

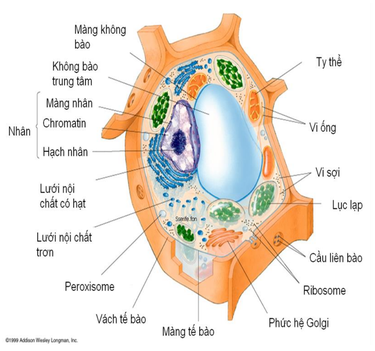
LEARNING METHODS

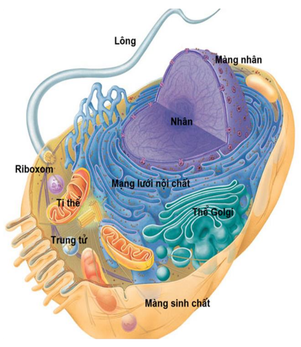
- Students read documents by themselves, prepare lessons before going to class, listen to lectures; learn through E-learning.

- Students participate in learning activities in class such as answering questions, doing exercises, discussing in groups.

- Students do practice in groups or individually.

- Students learn online.





STUDENT TASKS

- attend at least 75% of the total theory lectures of the course and 100% practice lessons.

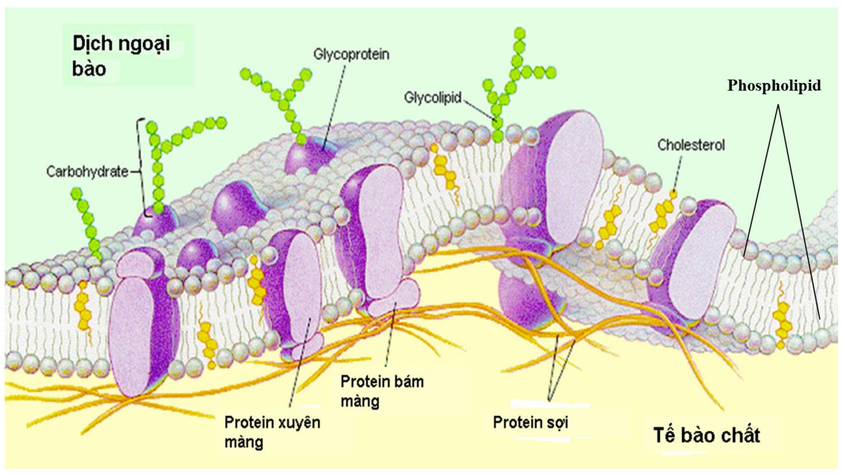
• Read lecture notes, textbooks and references before attending the class.

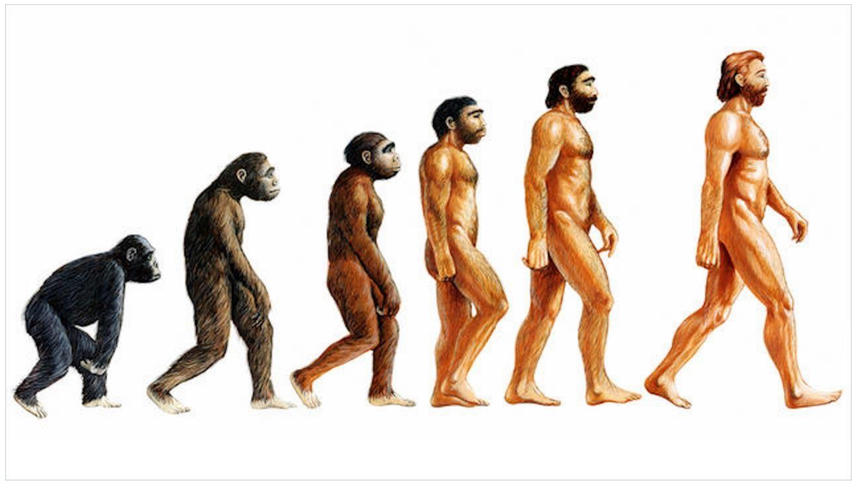
• Engage in group discussion.

• Take part in mid-term exam and final exam.

• Install online learning software and fulfill the requirements for online learning.

- Follow to the practice rules, make fully practice reports.





ASSESSMENT METHODS

1. Scale: 10

2. Weighting: The course mark is the sum of the rubric scores multiplied by the respective weight of each rubric

- Class attendance: 10%
- Practice score: 10%
- Mid-term test score: 20%
- Final exam: 60%

LECTURERS

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