



# 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
<b>Knowledge</b>		
<b>CELO1</b>	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
<b>CELO2</b>	Apply biological knowledge to explain the scientific basis of several issues related to biotechnology, cultivation, animal husbandry, veterinary medicine, food technology, environment.	ELO1
<b>Skills</b>		
<b>CELO3</b>	Work in groups and organize working groups to discuss, analyze, write and present scientific reports.	ELO5
<b>CELO4</b>	Proficiently use of microscopes and basic equipment in biological practice, mastering in doing microscope templates .	ELO5
<b>Personal autonomy and responsibility</b>		
<b>CELO5</b>	Compliance with rules in practice and theory; Be honest in reporting, taking exams.	ELO12
<b>CELO6</b>	Proactively study and raise awareness of self-study, humility, serious working style, high sense of responsibility	ELO12

## 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

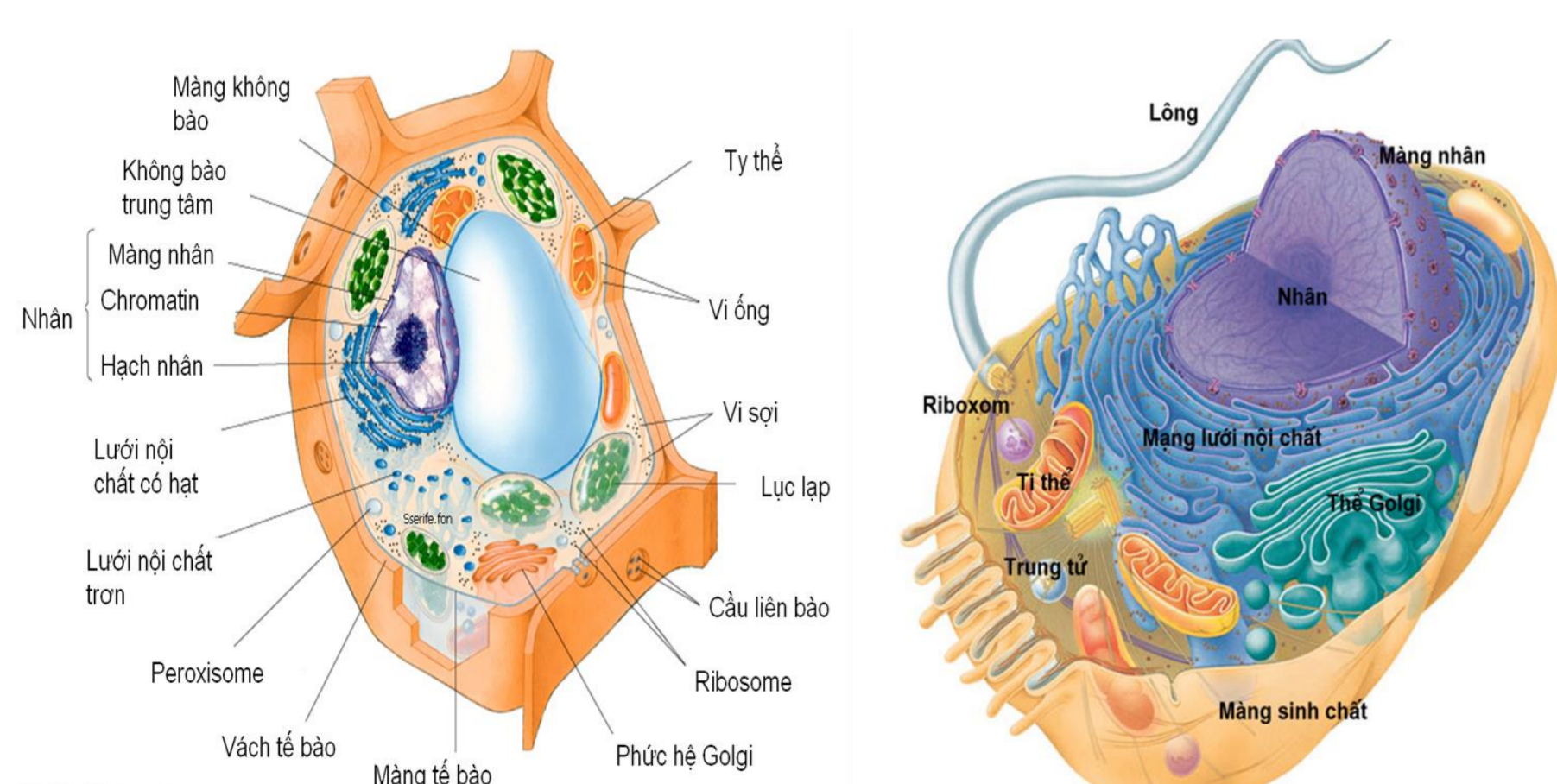
## LEARNING METHODS

- 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.

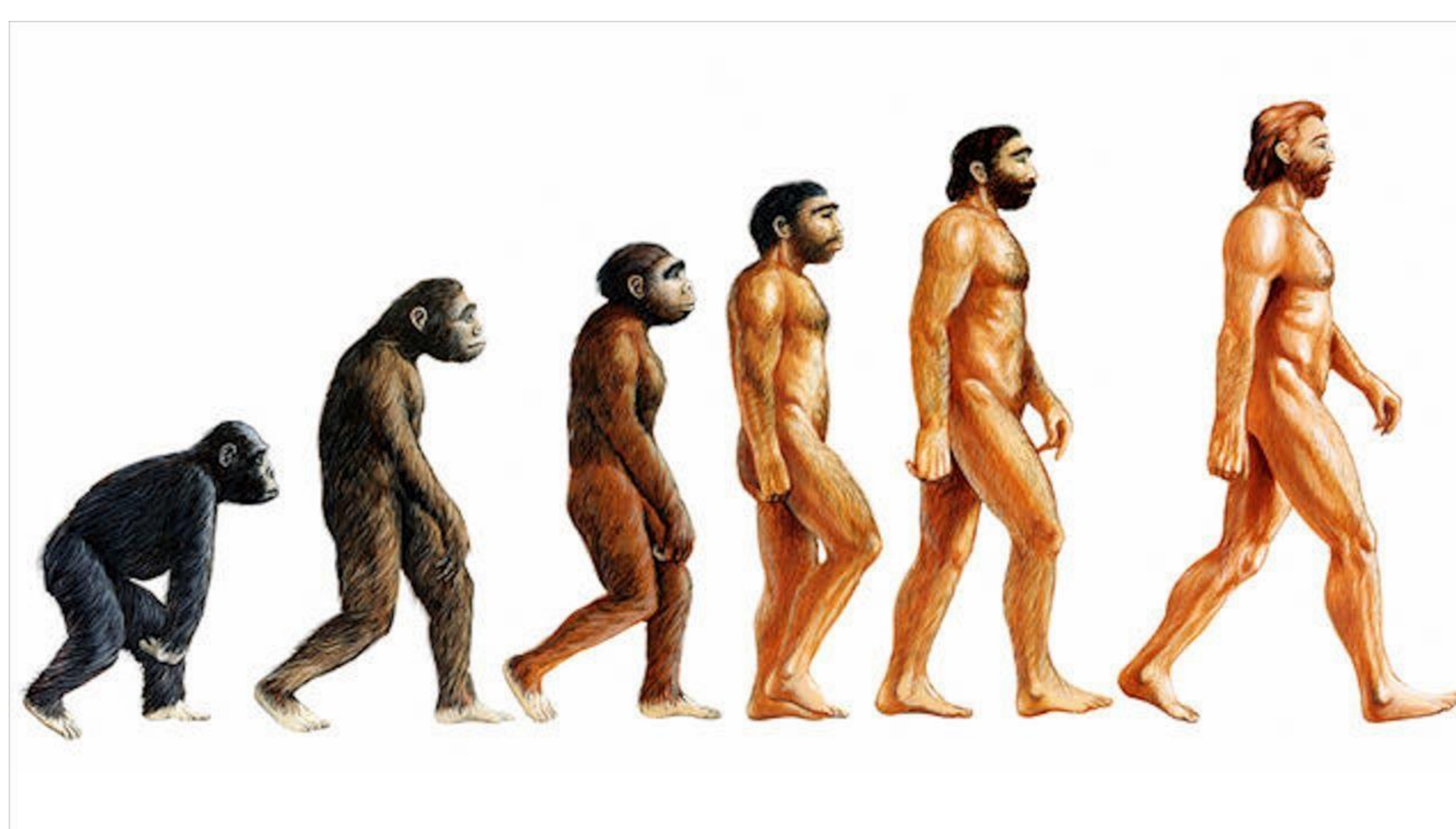
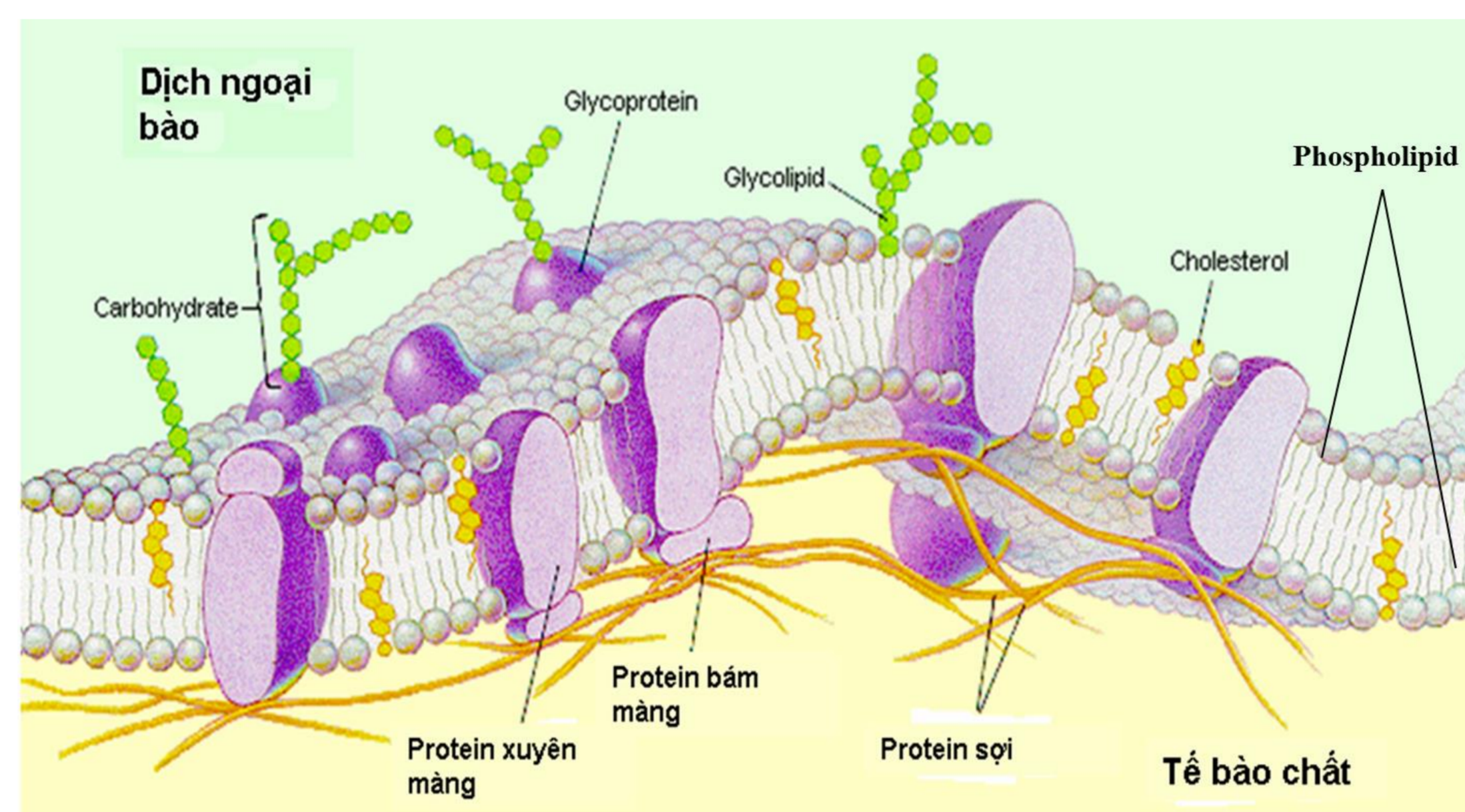
- Read lecture notes, textbooks and references before attending the class.

- 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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