

## SH01005 : MOLECULAR BIOLOGY 1 (SINH HỌC PHÂN TỬ 1) Credits: 2 credits (Lecture: 2 – Practice: 0)

## **EXPECTED LEARNING OUTCOMES**

Course objecti ves	COURSE EXPECTED LEARNING OUTCOMES After successfully completing this course, students are able to	Expected learning outcomes of program
Knowled	ge	

		Analysis at the level of management, production a	DNA, protein related to and sales of the industry	biotechnology p	products for	ELO2
	Skills					
	CELO2	Development of biotechno genetic analysis to meet so	ular biology,	ELO4		
	Persona					
	CELO3	Proactively update and professional qualifications	accumulate knowledge a	and experience	to improve	ELO15
<u>CONTENT</u> <u>STUDENT TASKS</u> <u>ASSESSMENT</u>					<u>r methods</u>	
Chapter 1: History of molecular biology						

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Attendance: Students are required to lacksquare

Chapter 2: Macromolecules: Nucleic

acid and Protein

- Chapter 3: Sturucture of gene and genome Chapter 4: DNA replication
- Chapter 5: DNA mutation and repair
- Chapter 6: Gene transcription in eukaryote
- Chapter 7: Genetic code and translation

## **LEARNING METHODS**

attend at least 80% of the total theory lectures of the course according to regulations of VNUA.

- Preparation for the lecture: Students lacksquareare required to read lecture notes, text books and references before attending the class.
- Mid-term exam: Students must take 01  $\bullet$ mid-term test.
- Final exam: Students must take the final exam and meet requirements.
- For online learning: Students need to

learning.

- Weighting:
  - ✓ Attendance: 10 %

✓ Formative assessment: 30%

✓ Final exam: 60%



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Read lecture notes, books and references

before attending the class.

Students are required to listen to lectures

in class and perform other learning

activities such as making question and

discussion in the class

Online study

learning software and install online fulfill requirements the online for

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