



# SH03057: CURRENT TOPICS IN BIOTECHNOLOGY (CHUYÊN ĐỀ TRONG CÔNG NGHỆ SINH HỌC)

Credits: 2 credits (Lecture: 2 – Practice: 0)

## 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>		
CELO1	Analysis of trends and approaches in biotechnology research in Vietnam and in the world	ELO2
CELO2	Understand the scientific basis of new achievements in the field of biotechnology (plant biotechnology, animal biotechnology, microbial technology, environmental technology, nanotechnology, biotechnology) food studies, etc.)	ELO3
<b>Skills</b>		
CELO3	Apply the creative critical thinking and learned knowledge to explain the main content of articles specialized in biotechnology /current issues by topics	ELO6
<b>Attitudes</b>		
CELO4	Update and accumulate knowledge and experience on a proactive	ELO15

## CONTENT

Topic 1: New achievements and new techniques in plant biotechnology

Topic 2: New achievements and techniques in animal biotechnology

Topic 3: New achievements and techniques in microbial biotechnology

Topic 4: New achievements and techniques in food biotechnology

Topic 5: New achievements and techniques in nanobiotechnology.

## LEARNING METHODS

-Self-reading materials, preparing lessons according to the learning plan that the lecturer has agreed upon before coming to class, listening to lectures and giving speeches to build lessons

-Students participate in learning activities in class: answer questions, discuss topics

-Online Learning

## STUDENT TASKS

-Attend class: All students attending this module must attend at least 2/3 of the total number of hours of the course.

-Prepare for the lecture: All students attending this module must prepare the lesson before coming to class according to the learning plan of the module that the lecturer has agreed on.

-Seminar: All students attending this module must participate in seminars in groups according to the topic assigned by the lecturer.-

-Discussion: according to the questions raised by the teacher in the lessons.

-Mid-term exam: All students participating in this module must take the midterm exam

-Final exam: All students who attend this module must take the final exam

-For online learning: students need to install learning software and fulfill the instructors' requirements on online learning

## ASSESSMENT METHODS

-Grading: 10 marks

-Average course score is the sum of all rubric scores multiplied by the respective weight of each rubric

-Weighting:

Class attendance: 10%

Group work score: 10%

Mid-term test score: 20%

Final exam: 60%



## LECTURERS

1. Dr. Nguyen Thi Thuy Hanh, 0968210990, [ntthanh.sh@vnua.edu.vn](mailto:ntthanh.sh@vnua.edu.vn)
2. Asoc. Dr. Dong Huy Gioi, 0983671218, [dhgioi@vnua.edu.vn](mailto:dhgioi@vnua.edu.vn)
3. Asoc. Dr Nguyen Xuan Canh, 09830099828, [xuancanh79@gmail.com](mailto:xuancanh79@gmail.com)
4. Dr. Nguyen Huu Duc, 0399606099, [nhduc@vnua.edu.vn](mailto:nhduc@vnua.edu.vn)
5. Dr. Nguyen Thi Lam Hai, 0904849298, [ntlamhai@gmail.com](mailto:ntlamhai@gmail.com)
6. Msc. Nguyen Quoc Trung, 0976588239, [namdinhvn@yahoo.com](mailto:namdinhvn@yahoo.com)

