SH03007 : ANIMAL CELL TECHNOLOGY LABORATORY
(THỰC HÀNH CÔNG NGHỆ TẾ BÀO ĐỘNG VẬT)
Credits: 1 credits (Lecture: 0 – Practice: 1)

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	Application of chemical knowledge to prepare chemicals, which are widely used in the field of animal cell technology	ELO1
CELO2	Evaluate the quality of cells, sperms, eggs	ELO1, ELO3
Skills		
CELO3	Proficient implementation of basic equipment in the animal cell culture room; Basic techniques of animal cell culture.	ELO11
CELO4	Team work, presentation of practical content	ELO7
Personal autonomy and responsibility		
CELO5	Proactively update and accumulate knowledge and experience to improve the professional level of animal cell technology	ELO15
CELO6	To act professionally, lawfully, honestly and responsibly in practice lessons of animal cell technology	ELO13

CONTENT

- Chapter 1: Basic techniques in dispensing and preservation some kind of medium and how to use some major equipment in biotech laboratory animals

- Chapter 2: Collecting, operation and classification egg of higher animals

- Chapter 3: Multiplication culture in vitro and cryopreservation of animal cells

- Chapter 4: Evaluation some indicators of animal sperm

LEARNING METHODS

- Prepare the lesson before going to class according to the study plan that lecturers have disseminated.

- Participate in learning activities in class: listening to lectures, answering questions, discussing in groups, doing practice as instructed by teachers.

STUDENT TASKS

- Must attend 100% of the total number of practical lessons of the course.

- Preparation for the lecture: Students are required to read lecture notes, text books and references before attending the class.

- Group discussion and presentation: Students are required to engage in group discussion.

- Formative assessment: Students who do not have any practical results will be graded with zero.

- Final assessment: All students participating in this module must have their practice results and hard-copy reports

ASSESSMENT METHODS

- Attendance: According to regulations of VNUA.

- Exercise and progress tests: Students must complete the exercises, group discussion and presentation with satisfied results.

- Mid-term assessment : In the form of checking results, which students were do in the end of each practice.

- Final assessment: End evaluation of the course in the form of Checking the implementation results, writing reports

- Grading: 10 marks

- Weighting:
  - ✓ Formative assessment: 30%
  - ✓ Final exam: 70%

LECTURERS

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VNUA Vietnam National University of Agriculture