



SH04001: PROFESSIONAL INTERNSHIP 1

(THỰC TẬP NGHỀ NGHIỆP 1)

Credits: 05 credits (Lecture: 0 – Practice: 05)

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	Apply the learned knowledge in biotechnology	ELO1
CELO2	Present information about the workplace: organizational structure, scale and field of operation, facilities for production and business, current status in the production and management of businesses in the field of biotechnology.	ELO2
CELO3	Develop ideas and Design <i>simple</i> research projects for production and sales of biotechnology products	ELO4, ELO5
Skills		
CELO4	Apply critical and creative thinking to solve <i>simple</i> professional issues on research and technology transfer effectively	ELO6
CELO5	Familiarize with the labor market (employers, customers, colleagues, workers ...), create and expand relationships within the field to look for job opportunities after graduation and work In team to achieve set goals.	ELO7, ELO8
CELO6	Utilize information technology and equipments for <i>simple</i> research projects	ELO9
CELO7	Use appropriate methods and skills for <i>simple</i> research projects	ELO10
CELO8	Perform <i>fluently basic</i> technical procedures in biotechnology	ELO11
CELO9	Propose solutions basing on the result of <i>simple</i> research projects	ELO12
Attitudes		
CELO10	Comply with laws and regulations on occupational safety	ELO13
CELO11	Maintain professional ethics and exercise social responsibility	ELO14

CONTENT

- Develop an internship plan;
- Visiting workplaces (the internship enterprises)*
- Learn about the workplaces: organizational structure, scale and field of operation, facilities for production and business, current status of production and management of and businesses in the field of biotechnology;
- Learn about the technical procedures applied in production;
- Participate directly in general and professional work (*basic techniques* in biological, cell technology, plant physiology, microbiology, molecular biology, etc.) at the internship enterprises;
- Summarize and process data, write reports and present the results at the final reporting sessions (seminar).
- Students can choose a business operating in the following fields: Plant biotechnology, Animal biotechnology and Microbiological technology

STUDENT TASKS

- Attend the orientation session to be instructed on internship works, and follow the instructions.
- Select an internship facility under the guidance of an instructor
- Actively engage in the process of preparing for the internship. Specifically: prepare the group's internship plan, which clearly defines the goals, requirements, and personal goals to be achieved during the internship period at the facility. Regularly contact with the internship manager and the instructors for timely guidance and advice.
- Contact the internship facility (on-site instructor) for additional advice on the internship content to develop group and individual internship plan.
- Create an internship plan (according to the given form) which clearly states location of the internship, the type of work to be conducted, and the specific timetable for the activities assigned during the internship and activities assigned by the 02 instructors (at the university and at the internship facility).

ASSESSMENT METHODS

- Grading: 10 marks
- Average course score is the sum of all rubric scores multiplied by the respective weight of each rubric
- Weighting:
 - +Assessment made by the internship instructor at the facility: 20%
 - +Assessment of the internship report: 30%
 - +Assessment of internship portfolio 20%
 - + Presentation assessment: 30%

STUDENT TASKS

- Submit the internship plan approved by the instructor to the manager of the internship group for approval.
- Comply the regulations on the procedures needed for the internship.
- Strictly and fully comply with the regulations of the university and the internship facility during the internship period.
- Have a good relationship with the employees and instructor at the facility.
- Regularly keep track of internship activities using a logbook
- Analyze information and data, and write an internship report (based on a given form).
- Perform peer evaluation among of students in the group.
- Submit internship portfolio (including internship plans, internship logbook, raw data, group reports, comments of the internship manager, peer evaluation score within the group ...) to the instructor at the university
- Attend, present, and discuss the results of the internship period at the seminar.

LECTURERS

1. Dr.Nguyen Thi Thuy Hanh, 0968210990, ntthanh.sh@vnu.edu.vn
2. Lecturers participating in teaching the course: all lecturers of Faculty of Biotechnology and Visiting Lecturers meet the requirements as prescribed by HV

LEARNING METHODS

- Conduct research and learn about the industry
- Practice basic techniques in biological research
- Handle situations at work
- Detect and solve problems
- Work with teams, discuss and exchange ideas
- Write an internship plan, write a report of internship results.