MINISTRY OF AGRICULTURE
AND RURAL DEVELOPMENT
VIETNAM NATIONAL UNIVERSITY OF AGRICULTURE

SOCIALIST REPUBLIC OF VIETNAM
Independence - Freedom - Happiness

BACHELOR OF SCIENCE IN BIOTECHNOLOGY

COURSE SPECIFICATION

SH03056: SEMINAR

I. Information about the course

- Semester: 7
- Number of credits: 01 (Theoretical: 1 – Practice: 0 – Self-studying: 3)
- Credit hours for learning activities
  + Theoretical lessons in the class: 09 periods
  + Presentation and class discussion: 06 periods
- Self-studying: 30 periods (according to individual plans, and based on the lecturer's instructions)
- Department conducting the course:
  - Department: Animal Biotechnology
  - Faculty: Biotechnology
- The course belongs to the following knowledge group:

General knowledge □		Foundation knowledge ☒		Specialized knowledge □	
Compulsory □	Elective □	Compulsory □	Elective □	Compulsory □	Elective ☒

- Parallel course: none
- Prerequisite course: none.
- Language used for teaching: English ☐ Vietnamese ☒

II. Course objectives and course expected learning outcome

*** The objectives of the course:**

The course aims to provide students with the following knowledge:

- General scientific basis of a scientific paper
- The main techniques in designing and presenting powerpoint;
- The provisions in quoting references

The course aims to provide students with the following skills:

- Team work, observation; discuss, evaluate
- Apply learned knowledge to present scientific and technological problems.The course helps students develop the following qualities:

- Students are proactive in acquiring knowledge, ready to help and share experiences with their classmates and friends in other groups as well as colleagues;

*** The Expected Learning Outcomes for the *Bachelor of Biotechnology* program**

Expected learning outcomes (ELOs) of the Bachelor of Science in Biotechnology program Upon graduation, graduates would be able to:		Cognitive level
General Knowledge	ELO1: **Apply** knowledge of mathematics, social sciences, natural sciences, laws, and contemporary issues into the field of biotechnology.	**Apply**
	ELO 2: **Analyze** the needs and requirements of stakeholders for the purposes of management, production, and sales of biotechnology products.	**Analyze**
Professional Knowledge	ELO3: **Evaluate** the quality of biotechnology products with regard to biosafety standards, environmental protection, legal, and ethical standards.	**Evaluate**
	ELO4: **Develop** ideas for biotechnology products based on personal knowledge of natural sciences, life sciences, and analysis of social needs.	**Create**
	ELO5: **Design** production models for biotechnology products	**Create**
General Skills	ELO6: **Apply** critical and creative thinking skills to effectively solve issues related to research, technology transfer, and production in the field of biotechnology**.**	**Adaptation**
	ELO7: **Coordinate** with team members to achieve set goals, either as a team member or team leader.	**Origination**
	ELO8: **Communicate** effectively through various channels in the diverse contexts of the workplace; satisfy English proficiency levels as required by the Ministry of Education and Training.	**Origination**
Professional Skills	ELO9: **Utilize** information technology and equipment effectively for management, production, and sales in the field of biotechnology**.**	**Adaptation**
	ELO10: **Use** appropriate methods and skills to collect, analyze, interpret data in scientific research, and examine practical issues at the workplace.	**Adaptation**
	ELO11: **Perform** basic and intensive technical procedures fluently in the field of biotechnology	**Adaptation**
	ELO12: **Advise** customers and partners on biotechnology	**Adaptation**

Expected learning outcomes (ELOs) of the Bachelor of Science in Biotechnology program Upon graduation, graduates would be able to:		Cognitive level
	products with a positive business perspective.	
Attitude	ELO13: **Comply** with the laws of the biotechnology industry, and conform to occupational safety principles at the workplace.	**Valuing**
	ELO14: **Maintain** professional ethics, fulfill one's duty to improve the well-being of the society, and protect the environment.	**Valuing**
	ELO15: **Perform the habits** of updating knowledge and experiences to improve one's professional qualifications	**Characterizing**

**** Course expected learning outcomes (CELOs):***

The course contributes to the expected learning outcomes of the program at the following levels: *I - Introduction); P -Practice; R - Reinforce; M –Master*

Course code	Course name	Contribution level towards the expected learning outcomes of the program							
SH02003	Cell Technology	ELO1	ELO2	ELO3	ELO4	ELO5	ELO6	ELO7	ELO8
					R		M		
		ELO9	ELO10	ELO11	ELO12	ELO13	ELO14	ELO15	
								M	

Code	Course expected learning outcomes Upon completion of this course, students are able to:	ELOs of the program
Knowledge		
K1	Review scientific knowledge in the presentation, use information technology in the presentation. Cite the correct documentation.	ELO4
Skills		
K2	Apply critical thinking to present research ideas	ELO6
Attitude		
K3	Proactively propose and implement scientific research issues in biotechnology into practice.	ELO15

III. Course description

SH03056: Seminar **(1 credits: 1 – 0 - 3).**

The course consists of the following chapters:

- Chapter 1 : Choose topics, collect and review references

- Chapter 2 : Analysis and selection of presentation methods
- Chapter 3 : Build content presentations
- Chapter 4 : Presentation and seminar organization

IV. Teaching and learning methods

1. Teaching methods

- Lecturers will teach theoretical lessons using presentations, oral communication and illustration methods; guide students to discuss in groups; guide students to make essays in groups and make a report.
- Blended learning: Teaching through the E-learning system

2. Learning methods

- Students read class materials by themselves, prepare for the lessons based on the learning plan given by the lecturers before going to class, listen to lectures and make contributions, learn through the E-learning system.

- Students participate in learning activities in class: presenting, answering questions, doing exercises, discussing in groups.

V. Requirements for students

- Attendance: Students are required to attend at least 2/3 of the total theory lectures of the course.
- Preparation for the lecture: Students are required to read lecture notes, text books and references before attending the class.
- Presentation of report: Students present to class about assigned topic.
- Reporting: Students need to submit their presentation report (hard copy) on the last day of the course.
- Group discussion and presentation: Students are required to engage in group discussion.

For online learning: Students need to install online learning software and fulfill the requirements for online learning

VI. Scoring and assessment

1. Scale: 10

2.The average score of the course is score of each rubric multiplying with the corresponding weight of each rubric

- Attendance: 20 %
- Formative assessment: 50%
- Report score (word, powerpoint version): 30%

3. Assessment methods

Rubrics and assessment method	CELOs to be assessed	Weight (%)	Time / Studying week
Progress assessment		**20**	
Class participation (Rubric 1)	K3	20	Week 1-5
End-of-course assessment		**80**	
Presentation (Rubric 2)	K1, K2	50	Week 3-5
Seminar report in hard copy (Rubric 3)	K2	30	Week 5

Rubric 1: Class participation

Criteria	Weighting (%)	Excellence 8.5 – 10 point	Good 6.5 – 8.4 point	Fair 4.0 – 6.4 point	Poor 0 – 3.9 point
Level of engagement and behavior	50	Always listening attentively and contributing actively to class's activities	Mostly listening attentive and contributing to class's activities	Listening attentively	Not listening attentively
Attending class	50	Come to lesson class on time the prescribed	Come to lesson class late than the prescribed one time	Come to lesson class late than the prescribed two times	Come to lesson class late than the prescribed more than two times

Rubric 2: Discussion

Criteria	Weight (%)	Excellent 8.5 – 10 (A)	Good 6.5 – 8.4 (C+, B, B+)	Average 4.0 – 6.4 (D, D+, C)	Poor 0 – 3.9 (F)
Content	40%	Accurate, complete, scientific, update	On-topic, complete, not updated.	On-topic, not complete, not updated	Off-topic
Structure, design	20%	Logical, balanced, creative, aesthetic	Logical, balanced, not creative, not aesthetic	Logical, not balanced, not creative, not aesthetic)	No logic, no balance, many errors
Quality of contributions	40%	Clear presentation, appropriate language and intonation, lead	Clear presentation, appropriate language and intonation, lead	Clear presentation, appropriate language and intonation, lead	Speak softly, do not know how to lead the problem. Not paying

		the issue of scientific interest. Cover the audience, appropriate body language, within the time allowed to present	the issue of scientific interest. Cover the audience, use less body language, overtime (1-2 minutes)	the issue of scientific interest. Sometimes cover the audience, use less body language, overtime (3-5 minutes)	attention to the listener, inappropriate body language. Exceeding the time allowed by 5 minutes or more

Rubric 3: Seminar report

Criteria	**Weight (%)**	**Excellent** 8.5 – 10 (A)	**Good** 6.5 – 8.4 (C+, B, B+)	**Average** 4.0 – 6.4 (D, D+, C)	**Poor** 0 – 3.9 (F)
Seminar report format	50%	Correct format, submit assignments on time	Correct format, submit assignments on time, there are some spelling mistakes	Not correct format or submit assignments on time	Not correct format and submit assignments on time
Seminar report content	50%	Contents are presented fully, clearly and logically	Contents are presented fully, but not clearly and logically	Contents are not fully presented	Contents are not fully presented, there are many errors

4. Requirements of the course

- Students fully participate in the lessons, not to miss more than 3 lessons

- Submitting essays, presenting reports not on schedule will be deducted 50% of the score.

- Students who do not prepare homework at the request of the teacher will not be able to participate in the lesson in class.

VII. Textbook and reference materials

**** Textbook /Lectures:***

1. 1. Lecture on seminar course on animal cell technology in 2020 compiled by the department
2. Regulations on quoting references according to the Vietnam Academy of Agriculture. http://tapchi.vnua.edu.vn/cach-trich-dan-va-trinh-bay-tai-lieu-tham-khao-trong-bai-bao-khoa-hoc/
3. How to avoid death By PowerPoint | David JP Phillips | TEDxStockholmSalon https://www.youtube.com/watch?v=dEDcc0aCjaA
4. Scientific articles specialized in biotechnology4. Some research results on Vietnamese genes and genome. Nong Van Hai, Natural Science and Technology Publishing House, 2019.
5. Scientific articles specialized in biotechnology

**** Reference materials:***

VIII. Course outline

Week	**Contents**	**Course**

		expected learning outcome
	1: Select topic, collect and evaluate the scientific documents	
	A/ Main contents*: (03 hrs)* **Theory and seminar:** Select topic, collect and evaluate the scientific documents concerning Biotechnology	K1, K3
	***B/* Self-study contents**: *(09 hrs)* Reading text book and information concerning chapter.	K1
	2. Analyse and select the approaches	
	A/ Main contents*: (03 hrs)* **Theory and seminar:** Analyse and select the approaches concerning biotechnology	K1, K3
	***B/* Self-study contents**: *(09 hrs)* Reading text book and information concerning chapter.	K1
	3. Buit the presentation	
	A/ Main contents*: (03 hrs)* **Theory and seminar:** Buit the presentation concerning Biotechnology	K1, K2, K3
	***B/* Self-study contents**: *(9 hrs)* Reading text book and information concerning chapter.	K1
	4. Speaking ability and organize a seminar	
	A/ Main contents*: (06 hrs)* **Theory and seminar:** Speaking ability and organize a seminar concerning biotechnology	K1, K2, K3
	***B/* Self-study contents**: *(18 hrs)* Reading text book and information concerning chapter.	K1

IX. Facility and other requirements:

- Classrooms: required to have enough tables, chairs, boards, chalks, adequate lighting, good soundproofing, ventilation, orderliness, neatness and cleanliness.
- Teaching facilities: have internet connection, projector, microphone, speaker.
- E-learning/MS Teams system works well

X. Revisions (The course specification is revised annually according to the regulations of the University)

- 1st revision: 7/2018
- 2nd revision: 7/2019
- 3rd revision: 7/2020

Hanoi, July 29th, 2020

HEAD OF DEPARTMENT
(Name and signature)

LECTURER
(Name and signature)

Tran Thi Binh Nguyen

DEAN
(Name and signature)

ON BEHALF OF THE PRESIDENT
VICE PRESIDENT

APPENDIX

LIST OF LECTURERS AND ASSISSTANTS FOR THE COURSE

Lecturer in charge of the course

Full name: Nguyễn Hữu Đức	Title / Degree: PhD
Workplace address: Department of Animal Biotechnology, Faculty of Biotechnology, Vietnam Agricultural Students, Trau Quy, Gia Lam, Hanoi.	Phone no.: 01699606099
Email: nhduc@vnua.edu.vn	Website https://cnsh.vnua.edu.vn/
How to contact the lecturer: Students can contact the lecturer by phone, email address. Students can also meet the lecturer during office hours (informed by the lecturer), or they can arrange a meeting to see the lecturer directly.	

Supporting lecturer

Full name: Tran Thi Binh Nguyen	Title / Degree: PhD
Workplace address: Department of Animal Biotechnology, Faculty of Biotechnology, Vietnam Agricultural Students, Trau Quy, Gia Lam, Hanoi.	Phone no.: 0944661010
Email: ttbnguyen@vnua.edu.vn	Website https://cnsh.vnua.edu.vn/
How to contact the lecturer: Students can contact the lecturer by phone, email address. Students can also meet the lecturer during office hours (informed by the lecturer), or they can arrange a meeting to see the lecturer directly.	