

Course (RQ02002): (INTRODUCTION TO HORTICULTURE INDUSTRY)

1. General information

- Term: 1
- Credits: **Total credits 2 (Lecture: 1.5 – Practice: 0.5)**
- **Self-study: 6** credits
- Credit hours for teaching and learning activities: 30 hrs
- Self-study: 90 hrs.
- Department conducting the course:
 - Department: Horticulture & Landscape design
 - Faculty: Agronomy
- Kind of the course:

Foundation <input type="checkbox"/>		Fundamental <input checked="" type="checkbox"/>		Option 1 <input type="checkbox"/>		Option 2 <input type="checkbox"/>	
Compulsory <input type="checkbox"/>	Elective <input type="checkbox"/>	Compulsory <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Compulsory <input type="checkbox"/>	Elective <input type="checkbox"/>	Compulsory <input type="checkbox"/>	Elective <input type="checkbox"/>

- Prerequisite course(s): not required

2. Course objectives and expected learning outcomes

* *Course objectives:*

- Knowledge: Course provided for students with knowledge in Horticulture and landscape design (current situation of horticultural crop production and landscape design; advantages, disadvantages, and potential of the horticulture industry in Vietnam). Based on that knowledge, students can select their suitable field of specialization in the education program and their job after graduation.
- Skills: Course provided for students with skills in field survey, making a report and presentation in student seminar.
- Attitude: Course provided for students with attitudes in hard-working and learning, and loving their job.

* *Course expected learning outcomes*

Notation	Course expected learning outcomes After successfully completing this course, students are able to	PLO performance criteria
Knowledge		
CELO1	Apply knowledge on the current situation of horticulture and landscape design and advanced techniques in horticulture crop production to meet the market demands.	2.2
CELO2	Apply knowledge on the current situation of landscape design in the design and construction of landscapes to satisfy the social demands.	3.3
Skills		
CELO3	Communicate effectively with the World of Works on horticulture and landscaping area.	5.2

CELO4	Conduct the field survey on horticulture and landscaping area.	6.2
Attitude		
CELO5	Identify their limitation in professional competencies of BHLG graduated students to try to fulfill their competences	10.1

3. Course description

Brief description of the course: This course comprises 4 chapters with the following contents: introduction to Bachelor of Horticulture & landscape design program toward profession-oriented higher education; position and role of horticulture & landscape design; current situation and development trend of horticulture & landscape design area; World of works and job opportunities for graduated students; field survey, student seminar.

4. Teaching and learning & assessment methods

CELOs	CELO1	CELO2	CELO3	CELO4	CELO5
Teaching and learning					
Ppt presentation	x	x			x
Group working				x	
Field survey	x	x	x	x	x
Seminar	x	x	x		x
Assessment					
Rubric 1. Attendance (10%)					x
Rubric 2. Report of field survey (15%)	x	x		x	x
Rubric 3. Field survey portfolio (10%)				x	
Rubric 3. Presentation (15%)	x	x	x		x
Rubric 4. Final Exam (50%)	x	x			

5. Student tasks

- Attendance: All students taking this course must attend fully and on time all theoretical and practical hours and seminars. Actively participating in discussing, putting and answering questions.
- Preparation for the lecture: All students attending this course must read in advance those lessons given by lecturers.
- Presentation and discussion: All students attending this course must take part in preparing lessons, presenting field survey results in seminars, actively participate in discussions with other groups.
- Field survey: All students attending this course must learn about the reality of horticulture and landscaping at one or several horticulture crop production and landscaping areas. Need to work in groups and submit survey' portfolio in group.
- Final exam: All students taking this course must attend the final exam

6. Text books and references

* **Text Books/Lecture Notes:**

1. Trần Thị Minh Hằng, 2022. Lecture note “Introduction to Horticulture Industry”

*** Additional references:**

1. Department of Agriculture and Food. 2014. The horticulture Handbook. A reference guide for establishing horticulture enterprises in Western Australia. Bulletin 4847. Government of Western Australia.
2. Government of India Ministry of Agriculture & Farmers' Welfare Department of Agriculture, Cooperation & Farmers' Welfare. Horticulture Statistics Division. 2018. Horticultural Statistics at a Glance 2018.
3. CORTEVA agriscience. 2022 HORTICULTURE CROP PROTECTION GUIDE. horticulture.corteva.ca. Trademarks of Corteva Agriscience and its affiliated companies. © 2021 Corteva.
4. Robert M. Groves (Author), Floyd J., Jr. Fowler. 2004. Survey Methodology (Wiley Series In Survey Methodology). Wiley Publishing.
5. By George Acquaah. 2008. Horticulture. Prentice Hall Publishing.

7. Course outline

Week	Content	Course expected learning outcomes
1	Chapter 1: Introduction to Horticulture & Landscape design program	
	A/ Main content: (3 hours) Theories: (3 hours) - Development of Horticulture & Landscape design program toward profession oriented higher education (POHE) - Professional profile and Competence profile - Education program framework and timelines	K5
	B/ Self-study contents: (9 hours) Reading student book, Education program	
.....	Chapter 2: Current situation of horticulture crop production and landscaping	
	A/ Main content: (15 hours) Theories: (10 hours) - Main characteristics of Đặc điểm Horticulture industry & Landscaping. - Situation of horticulture crop production and consumption and landscaping. - Advantages, disadvantages, potentials and development trend of horticulture crop production and landscaping. Content of field survey: (5 hours) Survey on World of Work (WoW): Situation of horticulture crop production and consumption and landscaping in WoW.	K1, K2 K1, K2, K3, K4
	B/ Self-study contents: (45 hours) Current situation of horticulture crop production and landscaping in Vietnam and Worldwide.	
.....	Chapter 3: Introduction to advanced technologies applied in horticulture crop production and landscaping	

	<p>A/ Main content: (8 hours)</p> <p>Theories: (8 hours)</p> <ul style="list-style-type: none"> - Biotechnology - Cultivation and post-harvest technology - Mechanical and Automatic technology - Agricultural material production technology - Remote sensing and GIS technology 	K1, K2
	<p>B/ Self-study contents: (24 hours)</p> <p>Application of advanced technologies in horticulture crop production and landscaping.</p>	
.....	<p>Chapter 4: Job opportunities and professional orientation for graduated student</p>	
	<p>A/ Main content: (4 hours)</p> <p>Theories: (1 hours)</p> <ul style="list-style-type: none"> - Type of Organization working in horticulture and landscaping area. - Introduction to main Employers. - Recruitment of BHL D graduated students <p>Field survey: (3 hours)</p> <p>Survey on the recruitment situation of BHL D graduated students in WoW</p>	K3, K4, K5
	<p>B/ Self-study contents: (12 hours)</p> <p>Explore theirworld of work to find out their job opportunity and choose a specialization in the education program.</p>	