

RQ02031: PROJECT 1 – PRODUCTION MANAGEMENT OF HORTICULTURAL PRODUCTS

1. General information

- Term: 5
- Credits: Total credits 2 (Lecture: 0 – Practice: 2) - Self-study: 6 credits
- Credit hours for teaching and learning activities: 30 teaching hours
 - Lectures: 0 teaching hours
 - Presentation and discussion: 15 teaching hours
 - Practice in project: 15 teaching hours
- Self-study: 90 teaching hours (50 minutes each)
- Department conducting the course:
 - Department: Horticulture & Landscape
 - 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	Elective	Compulsory	Elective	Compulsory	Elective	Compulsory	Elective
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- Prerequisite course(s):

2. Course objectives and expected learning outcomes

*** Course objectives:**

- Knowledge: the course provides students with the knowledge to carry out a group project in the field of vegetables, fruits, flowers, ornamental plants and landscapes.
- Skills: the course trains student’s skill in teamwork building, choosing appropriate technical and technological solutions to create complete fruit and vegetable products and landscapes. Developing the ability to collaborate in student groups and work with the public to bring products to market. Organization of exhibitions, promotion and sale of project products.
- Attitude: the course gives student attitude of accumulate knowledge and skills to create new products in the field of vegetables, fruits, and landscapes.

*** Course expected learning outcomes**

Notation	Course expected learning outcomes (CELOs) After successfully completing this course, students are able to	Program performance criteria (PPC)
Knowledge		
CELO1	Applying knowledge of crop science to building technical processes for producing fruit and vegetable products to meet market demand.	2.1
CELO2	Applying crop farming techniques to build high-tech models/advanced processes to produce fruit and vegetable products to meet market demand.	2.2

CELO3	Applying landscape design knowledge to the design of landscape works at the request of the investor.	3.2
CELO4	Apply knowledge of landscape design to landscape construction to meet technical standards.	3.3
Skills		
CELO5	Proficiently apply planning and time management skills during group project implementation.	4.1
CELO6	Applying skills to build and develop internal relationships, including establishing connections, resolving conflicts and communicating with the outside world, in the group's working process.	4.2
CELO7	Behave appropriately with experts and customers to solve related problems during project implementation.	5.4
Attitude		

3. Course description

PNH02031. Project 1 – Production management of horticultural products. (2TC: 0 - 2 - 6): The course includes the introduction to the implementation of a production project in the field of vegetables, flowers, fruits and landscape in groups of students; to the preparation of a project outline, writing and presentation of project reports; application of techniques and technologies to produce products that can be marketed; h promotion of products, participation in the organization of fairs to sell products of the project and collaboration with partners or investors such as companies, cooperatives, production units ... in the field of vegetables, flowers, fruits and landscape.

4. Teaching and learning & assessment methods

CELOs	CELO1	CELO2	CELO3	CELO4	CELO5	CELO6	CELO7
Teaching and learning							
Practice	x	x	x				
Project	x	x	x	x	x	x	x
Assessment							
Rubric 1. Practice in project (70%)	x	x	x	x	x	x	
Rubric 2. Presentation (30%)				x	x	x	x

5. Student tasks

- Preparation for the project: All students attending this module must consult relevant documents, conduct market research and brainstorm ideas on implementation topics.
- Check progress: All students attending this module must participate in the progress report as prescribed.
- Project implementation: All students participating in this module must carry out the project according to the registered topic under the guidance of the instructor, write a diary of the implementation and collect the images and raw data in the project implementation process.

- Presentation and Discussion: All students attending this module must participate in presentations, result report, and discussion as prescribed.

6. Text books and references

* *Text Books/Lecture Notes:*

- Department of Horticulture & Landscape, 2015. Instruction manual for Project 1 — Production and production management in the field of vegetables, fruits and landscape- For students majoring in fruit and vegetable technology and landscape (Version 2).
- Textbooks/lectures related to the research content of the topic.

* *Additional references:*

- Vu Thanh Hai, Pham Van Cuong(2021). Effect of the dosage of organic fertilizer to replace inorganic fertilizer on growth, yield and quality of oranges in Bac Quang - Ha Giang and CS1 in Cao Phong - Hoa Binh. Vietnam Journal of Agricultural Science 2021, 19(2): 151-160.
- Nguyen Thi Phuong, Vu Thanh Hai, Nguyen Thi Thu Huong, Nguyen Thi Hai Xuan (2020). Evaluation of the effect of fruit pruning and mulching material on fruit size and quality of apple variety 05 (ziziphus mauritiana lamk.). Vietnam Journal of Agricultural Science 3/2020, 18(1): 14-23.
- Đinh Hong Duyen, Nguyen The Binh và Vu Thanh Hai (2017). Selection of bacteria capable of decomposing by-products after harvesting lychee fruit. Scientific Journal of Can Tho University . 53b: 61-70.

7. Course outline

Week	Content	Course expected learning outcomes
1	<i>Introduction of Production Management Project in the field of vegetables, flowers, fruits and landscape</i>	
	<i>A/ Main contents: (1 hours)</i> - Forming a group - Assign topics to students and find ideas for projects - Discuss with the instructor to develop the project outline	CELO 1,3,4,5,6, 7.
	<i>B/ Self-study contents: (3 hours)</i> <i>Find out the production process needed for the project</i> <i>Daily journaling</i>	
1-2	<i>Protect the project outline</i>	
	<i>A/ Main contents: (5 hours)</i> - Write project outline - Presentation of the project outline for the 1st time - Edit outline - Presentation of outline for the 2nd time - Submit project outline	CELO 1,3,4,5,6, 7.
	<i>B/ Self-study contents: (15 hours)</i> <i>Synthesize information, write outline; write powerpoint presentations</i> <i>Daily journaling</i>	
2-13	<i>Project implementation</i>	

	<p>A/ Main contents: (20 hours)</p> <ul style="list-style-type: none"> - Production organization, production management - Detailed planning for the project implementation process - Adjust the plan as necessary; - Progress report (2 times) - Planning product promotion - Sell products 	CELO1, 2,3,4,5,6, 7.
	<p>B/ Self-study contents: (60 hours)</p> <p>Research technical measures; Product marketing methods Daily journaling</p>	
	<p>Product Showcases and Reports</p>	
13-15	<p>A/ Main contents: (3 hours)</p> <ul style="list-style-type: none"> - Prepare product - Product display - Report presentation 	CELO 5,6,7
	<p>B/ Self-study contents: (9 hours)</p> <p>Prepare individual products; Daily journaling</p>	
	<p>Submit a report and summarize the project</p>	
15	<p>A Main contents: (1 periods)</p> <ul style="list-style-type: none"> - Write a project summary report - Participating in the project review session - Present experiences and limitations that need to be overcome in the implementation process 	CELO 5,7
	<p>B/ Self-study contents: (3 hours)</p> <p>Write a final report; Daily journaling</p>	