



NH02003: PLANT PHYSIOLOGY

Total credits 3: theory 2 - practice 1 - Self-study 9



EXPECTED LEARNING OUTCOMES

Course objectives	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
Knowledge		
CELO1	Fully and accurately analyze the basic factors affecting physiological processes: water exchange, photosynthesis, respiration, anabolic product transport, plant mineral nutrition	ELO1
CELO2	Fully and accurately assess advantages and disadvantages of methods to regulate the growth and development of plants	ELO5
Skills		
CELO3	Proficient in performing evaluation methods for photosynthesis and respiration; nutritional deficiencies (N, P, K); stress (hot, drought, salty, cold, waterlogged)	ELO11
Ethics and Attitude		
CELO4	Actively learning the techniques and method to control growth and development of plants for increasing the yield and quality of plant products.	ELO15
CELO5	Compliance with environmental protection and human health	ELO15

COURSE DESCRIPTION

This course consists of 8 part: Plant cell physiology, water exchange in plant, , photosynthesis in higher plants, plant respiration, translocation in the phloem; plant nutrition ; plant growth and development ; and physiology of abiotic stress in plant

STUDENT TASKS

- All students taking this course must attend following University rules
- Read the relevant book chapter and handout before the class
- All students taking this course must attend 30 hrs of practices, seminar and one final exam



LEARNING METHODS

- Learning in class
- Team work
- Self learning
- E-learning



LECTURERS

1. PhD. Tran Anh Tuan
2. PhD. Nguyen Van Phu
3. MS. NguyenThi Phuong Dung
4. PhD. Pham Tuan Anh
5. PhD. Vu Ngoc Lan
6. PhD. Duong Huyen Trang
7. MS. Vu Tien Binh



ASSESSMENT METHODS

- Grading: 10
- Average score of course is the total points of rubrics multiplied by the respective weight of each rubric.
- Formative assessment: Participation (10%) ; practical test (15%) and seminar (15%)
- Summative assessment: Final exam/multiple choice and essay (60%)

