

CP02005: GENERAL BIOCHEMISTRY

Total credits 2: theory 1.5 - practice 0.5 - Self-study 4



EXPECTED LEARNING OUTCOMES

	Notation	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
Knowledge			
	CELO1	Apply structural characteristics, properties and functions of substances that make up cells and bodies (proteins, enzymes, vitamins, nucleic acids, carbohydrates, lipids) in basic resear	CĐR1
		Analyze the biosynthesis and breakdown of protein, carbobydrate, nucleic acid, lipid compounds in the	CĐR3
	Skills		
	CELO3	Perform independently and in groups in analyzing the content of the main nutritional components of agricultural products and food	CĐR11
Attitude			
	CELO4	Show respect for regulations on agricultural and food production, honesty and responsibility in handling and reporting experimental results	CĐR15

COURSE DESCRIPTION

Chapter 1: Protein

Chapter 2: Vitamin

Chapter 3: Enzyme

Chapter 4: Nucleic acid

Chapter 5: Carbohydrate

Chapter 6: Lipid

Chapter 7: Biosynthesis and breakdown

of amino acid and protein Course practice: 3 lessons

- Amino acid and Protein
- Glucid
- Vitamin and organic acids

LEARNING METHODS

- Participate in course
- -Read documents at home before going to class
- -Discuss in group with questions and topics given by lecture
- -Experimental method: prepare theoretical knowledge at home, conduct group experiments under the guidance of lecture, discuss and report results in groups.
- -E-learning: using online lectures posted in class materials

STUDENT TASKS

- ✓ All students participating in this course must attend the class at least 75% of the theoretical periods, 100% of the practical periods.
- ✓ Preparing for the lecture: All students attending this course must read the reference books and lectures before coming to class.
- ✓ Practice: Required to attend all group exercises; read the text before going to practice; take a practice test; submit full practice reports, correct fomat required.



LECTURERS

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ASSESSMENT METHODS

- ✓ Grading: 10
- ✓ Average score is the sum of all rubric scores multiplied by the respective weight of each rubric
- •Mid-term evaluation: 20%, multiple-choice
- •Practice evaluation: 20%, Practice attitude, practice test and practice report
- •End-term evaluation: 60%, multiple-choice



