



CP03029: ENZYME TECHNOLOGY



Credits: 2 (Lecture: 2.0)

COURSE EXPECTED LEARNING OUTCOMES

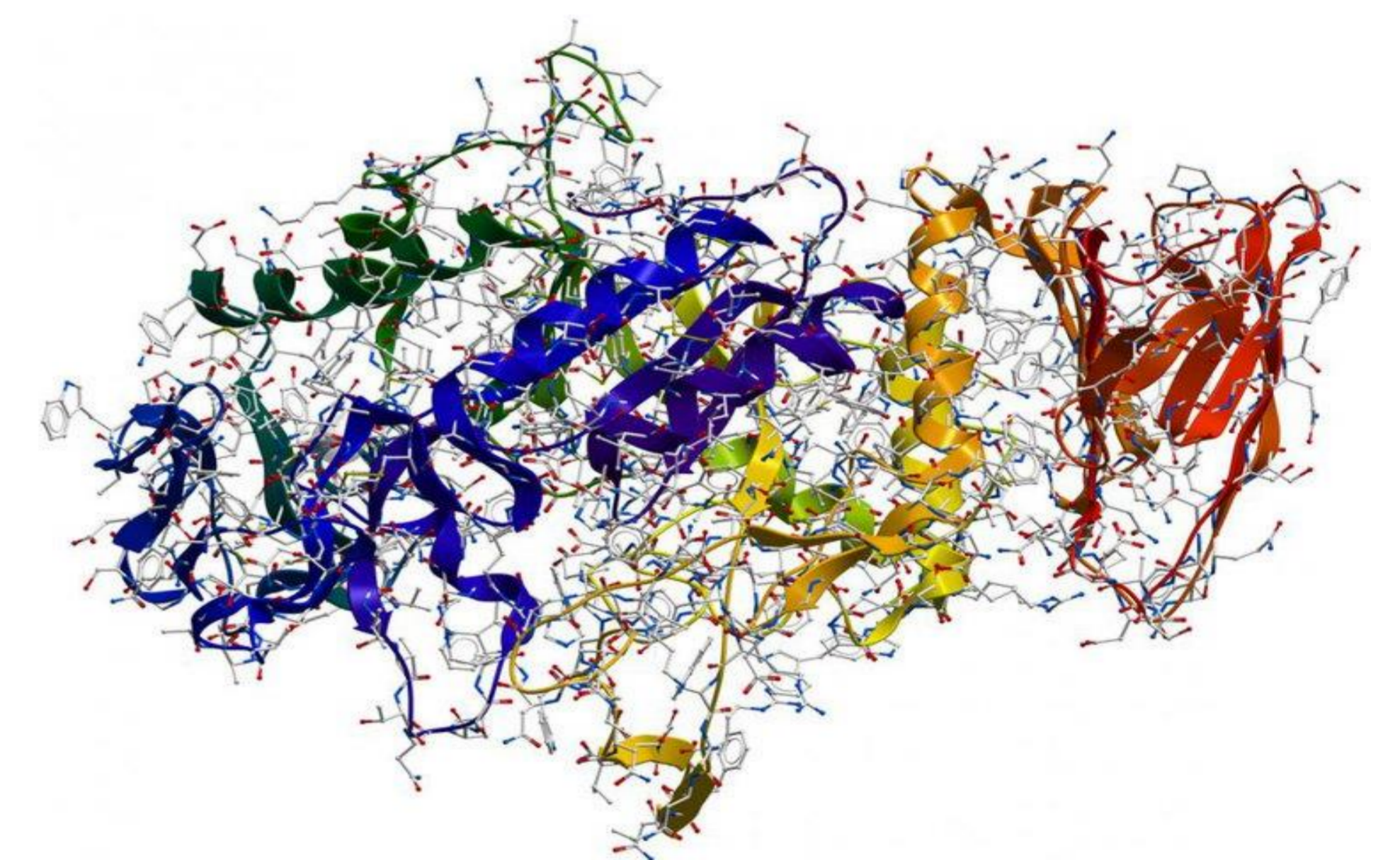
Notation	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
Knowledge		
K1	Apply basic knowledge about the enzyme properties, fixed enzymes, enzyme classification and enzyme activity in food production to improve product quality.	ELO2, ELO3
K2	Apply knowledge of enzyme sources, types of enzyme preparations, enzyme separation and purification methods in enzyme production research and their application in food processing	ELO3, ELO4, ELO5
Skill		
K3	Work in groups to solve problems, write and present reports of groups effectively	ELO6
K4	Apply the enzyme technology module to solve problems in research and application of enzymes in food technology	ELO8, ELO13
Attitude		
K5	Showing a research and positive attitude in group presentations	ELO15

COURSE DESCRIPTION

- Chapter 1: Overview of enzymes
- Chapter 2: Enzyme separation and purification
- Chapter 3: Production of enzymes from microorganism
- Chapter 4: Enzyme fixation
- Chapter 5: Application of enzymes in food

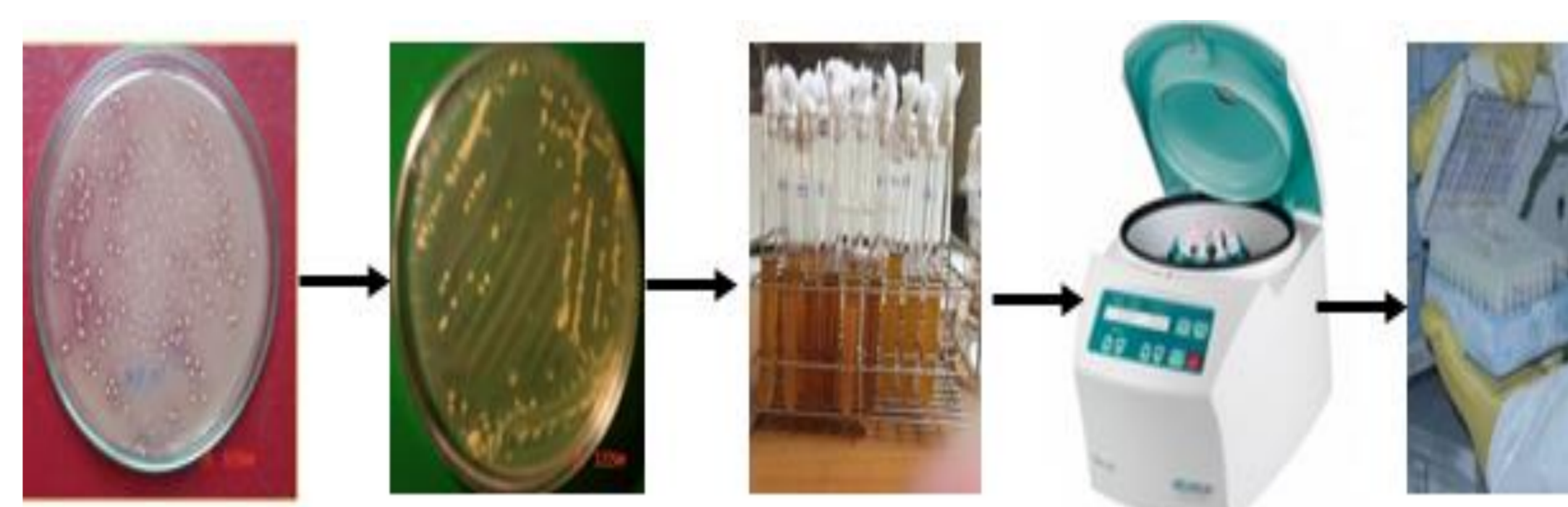
STUDENT TASKS

- Attend a minimum of 75% of theoretical periods.
- Prepare for lectures, read reference books before class
- Making essays presentations and discussions
- Students who must take the final exam if you do not take the final exam you will learn again



LEARNING METHODS

- Join the learning in class
- Read material at home before class
- Discussing, group presentations
- Group work in practice and thematic room
- E-learning: using online lectures and online discussions with instructors



ASSESSMENT METHODS

- Grading: 10
- Average score of course is the total points of rubrics multiplied by the respective weight of each rubric.
- 30% Process evaluation (rubic 1): Group presentation
- 70% final assessment (rubic 2): multiple choice

LECTURER IN CHARGE

1. Lecturer in charge: Dr. Nguyen Thi Lam Doan (776382289, nlddoan@vnua.edu.vn)
2. Lecture Dr. Hoang Hai Ha (0913046937, hhha@vnua.edu.vn)