

### CP03056: CEREAL PROCESSING TECHNOLOGY



Credits: 2 (Lecture: 1.5 – Practice: 0.5)

#### COURSE EXPECTED LEARNING OUTCOMES

Code	Expected learning outcomes After completing this course, a student is able to:	ELOs
Knowledge		
<b>K</b> 1	Apply basic knowledge about the chemical composition, physical and biochemical properties of grain into the production and development of products processed from cereals such as bread, pasta, noodles instant rice, heat treated rice, rice cake, modified starch	
K2	Analyze the influence of alyzing the effects of technological factors and equipment in each stage of the processing process on the quality of bread, pasta, instant noodles, water-treated rice, rice cakes, and modified starch products.	
Skills		
K3	Assess the quality of input materials of cereal processing process.	ELO11
K4	Control the quality of finished bread, pasta, instant noodles, heat-treated rice, rice cakes, modified starch and propose solutions to improve quality.	ELO8, ELO11 ELO12, ELO13
K5	Work in groups to solve problems, write and present reports of groups effectively.	ELO6
Attitude		
K6	Show respect for the regulations on food production in the field of cereal production and processing	ELO15



Chapter 1. Scientific basis of cereals.

Chapter 2. Manufacture of wheat flour products.

Chapter 3. Production of rice and some rice products.

Chapter 4. Starch production

- The course consists of 3 exercises:
- Evaluate the quality of flour and bread.
- -Practice of kneading methods in bread production.
- Practice in making spagetty noodles.

#### LEARNING METHOD

- Join the learning in class
- Read material at home before class
- Discussing, group presentations
- Group work in practice and thematic room



## STUDENT TASKS

- Attend a minimum of 75% of theoretical periods, 100% practice.
- Prepare for lectures, read reference books before class
- Actively participate in asking questions, exchanging, participating in practice and showing interest in learning.











## ASSESSMENT METHODS

- •Grading: 10
- Average score of course is the total points of rubrics multiplied by the respective weight of each rubric.
- Process evaluation: 40%: Group presentation 25%, Assessment of practice 15%.
- 60% final assessment: multiple choice and essay

# LECTURER IN CHARGE

Lecturer in charge: Dr. Đinh Thi Hien (369087913, <a href="mailto:hienhd2001@gmail.com">hienhd2001@gmail.com</a>)

Lecturer: Dr.Nguyen Đuc Doan (0989815755, nd.doan@vnua.edu.vn

