ISO 9001:2015

Engineering Drawings

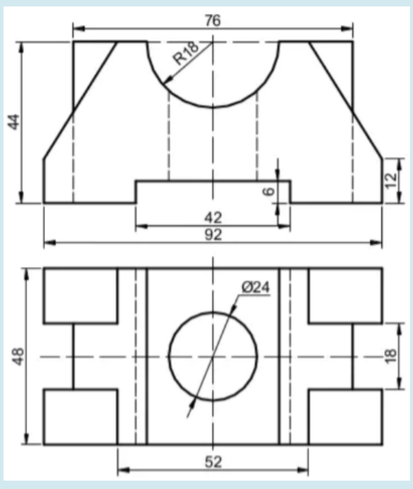
EXPECTED LEARNING OUTCOMES OF PROGRAMME (PLOs)	
General knowledge	
PLO 1	Apply natural, social, technical and economic knowledge to solve problems in preservation, processing, testing, and research and development of food products.
Professional knowledge	
PLO 2	Formulate production procedures based on the analysis of technical factors to ensure and enhance product quality
PLO 3	Design quality management systems for processing plants to ensure food hygiene and safety.
Soft-skills	
PLO 4	Perform work planning, demonstrate creatively critical thinking, work independently and effectively as a team leader or member
PLO 5	Demonstrate communication skills and use specialized English in food technology.
Professional skills	
PLO 6	Operate production equipment in food manufacture factories
PLO 7	Analyse product quality criteria in food preservation and processing procedures.
PLO 8	Design research to address technological and regulatory problems in the food industry through the evaluation of information, scientific data and information technology applications.
Attitude	
PLO 9	Work professionally, maintain professional ethics, social responsibility, and demonstrate personal physical development.
PLO 10	Demonstrate the spirit of entrepreneurship and life-long learning

Course description:

The module helps to equip students with basic knowledge about reading and understanding technical drawings, reference shapes of objects according to Vietnamese Standards (TCVN), how to use and configure drawing tools. and drawing tools. with AutoCAD software, technical drawing presentation standard; train students to have skills in analyzing, reading and understanding representations and conveying applied knowledge that can be learned to draw objects. Help students practice physical fitness and responsibility for their assigned work

COURSE CONTENT	CELOs
Chapter 1. Standards for drawing presentation - Introduction to AutoCAD	CELO 1
Chapter 2. Drawing Geometry	CELO 1; 2
Chapter 3. Object Performance	CELO 2; 3; 4; 5
Chapter 4. Measurement axis projection	CELO 2; 3; 4; 5; 6

	EXPECTED LEARNING OUTCOME OF COURSE (CELOs)	PLOs
Knowledge		
CELO 1	Present the basic concepts of geometry, how to present, read and understand a technical drawing.	PLO 1
CELO 2	Apply technical drawings in the food industry.	PLO 2
Professional skills		
CELO 3	Apply technical drawings to the food industry, apply AutoCAD software to draw on computers.	PLO 4; 6; 7
CELO 4	Analyze problems related to drawings of mechanical, food, chemical, construction industries	PLO 6; 8
Attitude		
CELO 5	Follow the rules well during the learning process	PLO 9
CELO 6	Solve problems during group work.	PLO 9



LEARNING CONTENT

- Students read reference materials before coming to class
- Lecturers give presentations using Power point.
- Students interact, exchange group work in class
- Implement homework content on E-learning system.
- Practice on the computer and submit assignments

LEARNING METHODS	Course assessment	percentage%
Evaluation of the process	learning attitude	10%
	Practical test on machine	20%
	Practice report	20%
End-of-course assessment	Writing test	50%

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