Course Description Form

1. Course Name:

Food processing2

2. Course Code: FOPR470

3. Semester / Year:

The second semester (spring)

4. Description Preparation Date:

1/2/2025

5. Available Attendance Forms:

In classes

6. Number of Credit Hours (Total) / Number of Units (Total)

2 theoretical +3 practical / 3.5 units

7. Course administrator's name (mention all, if more than one name)

Name: Assistant Professor Doctor . Shaymaa

Email:

Name: Assistant teacher. AFKAR YAHYA AHMED

Email: afkar. ahmed@uomosul.edu.iq

8. Course Objectives

Theoretical

- Enable the student to understand and absorb everything related manufacturing. The fact that food is to introduce the student tone of the most important Living requirements.
- The need to be familiar with the various conservation methods, which on the Its basis is based food manufacturing.
- Introducing the student to some industries such as the oil industry
 Fats, their refining, hydrogenated oils and other industries

Practical

- Introducing the student to the method of food processing.
- _ Enable the student to manufacture various foods.
- Conducting tests on processed foods

9. Teaching and Learning Strategies

Strategy - In

- Interactive lecture
- Brainstorming



- Dialogue and discussions.
- Assignment of tasks to answer some external questions.
- Commissioning to submit an end-of-course report entitled From the student's diligence is related to the academic subject
- Conducting manufacturing methods.
- Practical tests conducted in the laboratory.
- Submit reports at the end of the practical lesson.

10. Course Structure

We ek	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theoretically 3 practical	Theory: A1 The student lea about mode technologies in field of formanufacturing and manufacturing methods.	industry	Theory: Audio styles Writing on Blackboard Style Direct dialogue	Short exams, assignment of Duty Discussions
		Practical B1 The stud experiments w various methods special tests and for manufacturing steps		Audio styles Writing on The blackboar Conducting the test	
2	2 theoretically 3 practical	A1 The student lea about mod technologies in field of for manufacturing and manufacturing methods.	Oil and fat Industry	Theory: Audio styles Writing on Blackboard Style Direct dialogue	Short exams, assignment of Duty Discussions
		B1 The stud experiments w various methods special tests and for manufacturing steps	Practical Fats, refined oil	Practical Audio styles Writing on The blackboard Conducting the test	den an en
3	2 theoretically 3 practical	A1 The student learn about modern	Theory: Damage to	Theory: Audio styles	Short exams, assignment

Y _	_				,
		methods.		dialogue	
		B1 The stude	Practical	Practical	
		experiments w	Alcoholic	Audio styles	
		various methods	fermentation	Writing on	
		special tests and fo		The	
		manufacturing step		blackboard	
		manufacturing step		Conducting	
				the test	
-	2 1 11	Company of the Compan			Short exams,
7	2 theoretically	Theory:	Theory:	Theory:	
	3 practical	A1 The student lea		Audio styles	assignment
		about mod	and cocoa	Writing on	of Duty
		technologies in	industry	Blackboard	Discussions
		field of fo		Style	
		manufacturing and		Direct	
	a762 - 150 - 3	manufacturing		dialogue	The second second
	The diagram	methods.	Practical	Practical	
		memous	Calculation	Audio styles	
		Practical	vinegar	Writing on	
			results	The	
				blackboard	
		experiments w		Conducting	
		various methods	glucose sugar	the test	
		special tests and for		the test	
	in the second second	manufacturing steps		5-17-1-17-1-17-1-1-1-1-1-1-1-1-1-1-1-1-1	Chart arams
8	2 theoretically	A1 The student lea		Theory:	Short exams,
	3 practical		Industrial	Audio styles	assignment
	1.50	technologies in	ferments	Writing on	of Duty
		field of fo		Blackboard	Discussions
		manufacturing and		Style	
		manufacturing		Direct	
	1 2(4h) a r	methods.		dialogue	manana ya d
	100	B1 The stud	Practical	Practical	1 / 1 / Back Spirit
		experiments w	Tests	Audio styles	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	various methods		Writing on	
		special tests and for		The	
		manufacturing steps	Villegai	blackboard	
		manufacturing steps		Conducting	
		(8.1.10.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		the test	
100	0.11	A1 The student learn	Theorem		Short exams,
9	2 theoretically	A1 The student learn		Theory:	
	3 practical	about modern	Soft drinks	Audio styles	assignment
		technologies in the	industry	Writing on	of Duty
		field of food		Blackboard	Discussions
1		manufacturing and it		Style	
		manufacturing		Direct	- T
		methods.		Dialogue	
	1000 1885	The state of the s		n ati IA pit	bound of a find
	White the reserved	B1 The student	Practical	Practical	length and the
	The second of	experiments with	Lactic	Audio styles	
	enorganization in	various methods of	fermentation	Writing on	
			iei mentation	The	
		special tests and foo			
		manufacturing steps		blackboard	

					1011111
			Practical Hydrogenated Oils	Writing on Blackboard Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting the test	of Duty Discussions
4	2 theoretically 3 practical	Theory: A1 The student lea about mode technologies in field of formanufacturing and manufacturing methods. Practical B1 The studexperiments warious methods special tests and formatical tests and formatical tests.	Fractical Quality tests of oils and fats	Theory: Audio styles Writing on Blackboard Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting the test	Short exams, assignment of Duty Discussions
5	2 theoretically 3 practical	manufacturing and manufacturing methods. B1 The stud	Theory: By-products of industry Oils Practical Vinegar Industry	Theory: Audio styles Writing on Blackboard Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting the test	Short exams, assignment of Duty Discussions
6	2 theoretically 3 practical	A1 The student learn about modern technologies in the field of food manufacturing and i manufacturing	Fat substitutes	Theory: Audio styles Writing on Blackboard Style Direct	Short exams, assignment of Duty Discussions

		field of food manufacturing and it manufacturing methods. Practical B1 The student experiments with various methods of special tests and for manufacturing step		Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting the test	
14	2 theoretically 3 practical	technologies in field of formanufacturing and manufacturing methods. D1 1 The students	Lactic fermentation Practical Scientific visit to a food processing plant	Theory: Audio styles Writing on Blackboard Style Direct dialogue Practical Viewing device Equipment used in Food industry	Short exams, assignment of Duty, Discussions Practical Writing a report on the scientific visit
15	2 theoretically 3 practical	A1 The student lead about mode technologies in the field of formanufacturing and manufacturing methods. D1 The stude discovers mode technologies used food manufacturing	Practical Sesame	Theory: Audio styles Writing on Blackboard Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting the test	Short exams, assignment of Duty, Discussions Sho exams, assignment of Duty, Discussions
			21 1. 11	o in the second	

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

	Calendar methods	Calendar date (week)	Degree	Relative weight %
1	Theoretical fina	Theoretical Week	7 theoretical +6 practical	13%

			in the state of	Conducting the test	
10	2 theoretically 3 practical	Theory: A1 The student lea about mode technologies in field of formanufacturing and manufacturing methods. Practical B1 The stude experiments we various methods special tests and formation of the students	drinks industry Practical Pickle industry	Theory: Audio styles Writing on Blackboard Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting the test	Short exams, assignment of Duty Discussions
11	2 theoretically 3 practical	manufacturing steps A1 The student lea about mod technologies in field of fo manufacturing and manufacturing methods.	Theory: Manufacture tomato	Theory: Audio styles Writing on Blackboard Style Direct dialogue	Short exams, assignment of Duty Discussions
		A Committee of the Comm		Practical Audio styles Writing on The blackboard Conducting the test	
12	2 theoretically 3 practical	A1 The student lea about mod technologies in field of for manufacturing and manufacturing methods. B1 The studexperiments warious methods special tests and for manufacturing steps	Paste industry Tomato and ketchup Practical Manufacture mayonnaise	Theory: Audio styles Writing on Blackboard Style Direct dialogue Practical Audio styles Writing on The blackboard Conducting	Short exams, assignment of Duty Discussions
13	2 theoretically 3 practical	Theory: A1 The student learn about modern technologies in the	Theory: Dried fruit industry and High	the test Theory: Audio styles Writing on Blackboard	Short exams, assignment of Duty

	report + practical experience reports	15 Practical Week 15		
2	Quiz (1)	Week 3	4 theoretical +2 practical	6%
3	Midterm Exam (theoretical and practical	Week 9	10 theoretical +5 practical	15%
4	Quiz(2)	Week 12	4 theoretical +2 practical	6%
5	Final practical test	Practical exam week	20	20%
6	Final theoretical test	A week of theoretical exams	40	40%
0.1000000000000000000000000000000000000	Total		100	100%
12	. Learning and Teac	hing Resources		
Required textbooks (curricular books, if any)			Food manufacturing part 2 Alhakeem, and Hasan	
Main references (sources)			Food manufacturing part 2 Alhakeem, and Hasan	
Recommended books and references (scientific			Many books and ma Including Food Scie	agazines

journals, reports...)

Electronic References, Websites

World Health Organization(WHO) and the US Food and

drug organization (USFDA)

Theoretical subject teacher

Assistant Professor Doctor.

Shaymaa Ridh Abdulsalaam

Practical teacher

Assistant teacher

AFKAR YAHYA AHMED

Chairman of the scientific committee

Assistant Professor Doctor.

Taha.M.Taqi

Head of Department

Assistant Professor Doctor

Taha.M.Taqi