Course Description Form

1. Course Name:
Quality Control
2. Course Code:
QUCO473
3. Semester / Year:
Second semester/fourth stage/2023-2024
4. Description Preparation Date:
1/2/2024
5. Available Attendance Forms:
Attendance lesson
6. Number of Credit Hours (Total) / Number of Units (Total): units
Theoretical: 2 hours and practical: 3 hours (5 hours) / 3.5 units
7. Course administrator's name (mention all, if more than one name):
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8. Course Objectives
• Helping the student understand the academic material and how to benefit from it in the future as
graduation.
• Enabling students to know the importance of the quality control substance in processed foods, the consumption, and their suitability for consumption.
• The student understands the components of food and their importance.
• Introducing the student to methods of detecting fraud.
• Enabling the student to become familiar with the most important laboratory methods in conduct
physical, chemical and sensory tests for foods at all stages of manufacturing and storage.
• Providing students with skills in how to conduct various tests to detect adulteration of some
foods.
9. Teaching and Learning Strategies
- Interactive lecture using presentations.
- Dialogue and discussion.
- Branistorning.
- Assigning tasks and reports.
- Assigning group work and revealing students' skills.

10. Course Structure						
Week	Hours Required Learning Outcomes Name of Unit or Learning method		Learning method	Evaluation		
			Subject		method	
1	2Theoretical	B1: Explains the concept of quality control or quality contro and distinguishing it from quality assurance.	Quality control	Interactive lecture, dialogue and discussion, brainstorming, self- learning	Short test, assignment of tasks	
	3Practical	B1: Explains the concept of foo spoilage as a result of contamination with molds, yeasts, and bacteria, especially molds.	Mold contamination	Interactive lecture, dialogue and discussion, assigning group work and revealing students' skills	Commissioning a report	
2	2Theoretical	C1: The student explains the sampling method	Samples and their types	Interactive lecture, dialogue and discussion, brainstorming, self- learning	Assigning tasks	
	3Practical	C1: The student explains how to estimate the total acidity in foods	Determination of acidity.	Interactive lecture, dialogue and discussi assigning group work and revealing student skills	Commissioning a report	
3	2Theoretical	B2: The student is familiar with the properties and disadvantag of different foods	Food properties and disadvantages	Interactive lecture, dialogue and discussion, brainstorming, self- learning	Short quiz	
	3Practical	B2: The student is familiar with the most important enzymes an their classifications	Detection of enzymes	Interactive lecture, dialogue and discussi assigning group work and revealing student skills	A short quiz and assignment of a report	
4	2Theoretical	A1: Learn about food arbitratio methods and the duties of arbitration committees	Food arbitration	Interactive lecture, dialogue and discussion, brainstorming, self- learning	Short quiz	
	3Practical	A1: The student learns about the types of nutritional defects	Defects	Interactive lecture, dialogue and discussion, assigning group work and revealing students' skills	Commissioning a report	

	2Theoretical	C2: The student explains what	HACCP system	Interactive lecture,	Short quiz
5		the HACCP system is and	-	dialogue and	
		how to apply it in food		discussion,	
		factories.		brainstorming, self-	
				learning	
		C2: Explains the nature of	Tomato products	Interactive lecture,	Semester exam1
		tomato products and their types	-	dialogue and	
	3Practical			discussion,	
				assigning group	
				work and revealing	
				students' skills	
	2Theoretical	C3: The student suggests the	Food additives	Interactive lecture,	Assigning tasks
6		best subject		dialogue and	
				discussion,	
				brainstorming, self-	
				learning	
	3Practical	C3: The student suggests the	Food additives	Interactive lecture,	A short quiz
		best definition of food		dialogue and	and assignment
		additives		discussion,	of a report
				assigning group	
				work and revealing	
				students' skills	
	2Theoretical	C4: The student is familiar	Food standard	Interactive lecture,	Semester test1
7		with the types of food	specifications.	dialogue and	
		standards and their		discussion,	
		importance		brainstorming, self-	
				learning	
		C4: The student familiar the	Physical tests	Interactive lecture,	A short quiz
	SPractical	types of food standards and	for some food	dialogue and	
		their importance	additives	discussion,	
				assigning group	
				work and revealing	
0			In an a ati an	Students Skills	
0	2 Theoretical	A2: Learn about inspection,	inspection	dialogue and	Assigning tasks
		its elements, and test points		diaguagion	
		and types		brainstorming solf	
				learning	
		A2. The student learns about	Chomical tosts	Interactive lecture	Commissioning
		mothods for detecting honzoic	of some food	dialogue and	2 roport
	3Practical	ascorbic and propionic acide	additives	discussion	areport
	STractical	and their salts	adultives	assigning group	
		and then saits		work and revealing	
				students' skills	
	2Theoretical	B3:The student judges foods	Food adulteration	Interactive lecture.	A short quiz
9		terms of their suitability and		dialogue and	
		extent of their adulteration		discussion.	
		conducting specific tests.		brainstorming, self-	
				learning	

		B3: The student is familiar	Fiber estimation	Interactive lecture,	Assignment of
	3Practical	with the definition of fiber		dialogue and	a report and sho
		and the importance		discussion,	quiz
		estimating it in some foods		assigning group	
				work and revealing	
				students' skills	
10	2Theoretical	A3: The student learns about the	Food changes	Interactive lecture,	Semester test2
		factors affecting food changes,		dialogue and	
		preventing them from occurrin		discussion,	
		and the food laws surrounding		brainstorming, self-	
		them		learning	
		A3: The student learns about	Standard	Interactive lecture,	Semester test2
		the technical principles for	specifications for	dialogue and	
	3Practical	controlling the quality of fat.	fats	discussion,	
				assigning group	
				work and revealing	
				students' skills	
	2Theoretical	B4: Master the different methods in	enzymes	Interactive lecture,	Assigning tasks
11		examining some enzymes		dialogue and	
				discussion,	
				brainstorming, self-	
				learning	
		B4: The student explains what	Standard	Interactive lecture,	Commissioning
	3Practical	are the technical principles for	specifications	dialogue and	a report
		controlling the quality of oils	for oils	discussion,	-
				assigning group	
				work and revealing	
				students' skills	
	2Theoretical	E1: Determines the most	Food laws or	Interactive lecture,	A short quiz
12		important food legislation	legislation	dialogue and	
		laws and requirements		discussion,	
				brainstorming, self-	
				learning	
		E1: The student is familiar with	Quality checks of	Interactive lecture,	Commissioning a
	3Practical	chemical tests for fats and oils	fats and oils	dialogue and	report
				discussion,	
				assigning group	
				work and revealing	
				students' skills	
	2Theoretical	A4: The student learns about	Food poisoning	Interactive lecture,	Assigning tasks
13		food poisoning, its types,		dialogue and	
		how it occurs, and the food		discussion,	
		laws surrounding it.		brainstorming, self-	
				learning	
		A4: The student learns about	Water	Interactive lecture,	A short quiz
	3Practical	forms of water in foods		dialogue and	
				discussion,	
				assigning group	
				work and revealing	
				students' skills	

14	2Theoretical	B5: The student with methods of	is familiar water purificat	Water purificatio Interactive lecture, in food factories dialogue and		Assigning tasks		
						discussi brainsto learning	on, rming, self-	
	3Practical	B5: The student with methods for moisture in food	is familiar or estimating ls	Estimation of Moistu	re	Interacti dialogue discussi assignin work an students	ive lecture, e and on, g group nd revealing s' skills	Commissioning a report
15	2Theoretical C5: Explains how to conduct microbial tests for food by conducting a scientific visit to the Department of Healt Nineveh.		Solve the problem Interactive lect dialogue and discussion, brainstorming, learning		ive lecture, and on, rming, self-	Commissioning a report on the visit		
	3Practical	C5: Explains ho microbial tests f estimate food in making a visit to Department of H Nineveh.	w to conduct for food and gredients by the Health in	Solve the pro	blem	Interacti dialogue discussi assignin work au students	ive lecture, e and on, g group nd revealing i' skills	Commissioning a report on the visit
11.	11. Course Evaluation							
Ca	llendar methods	5	Calendar dat	te (week)	Deg	ree	Relative we	eight %
A	A short theoretical test Quiz		Weeks: 1,3,4,	5,9,12	12	12 12		
Assigning theoretical tasks		Weeks: 1,2,6,8,11,13,14 10		10.5		10.5		
Semester (1) theoretical test		Seventh 2		20		20		
Semester (2) theoretical test		The tenth	20			20		
As	Assignment of a theoretical report		Fifteenth 2.		2.5		2.5	
Semester (1) practical test		Fifth	10			10		
Semester (2) practical test		The tenth		10		10		
A short practical test Quiz		Weeks: 3, 6, 7	7, 9, 13	5 5		5		
Commissioning a practical report		Weeks: 1,2,3,4,6,8,9,7	10,11,12,14,15			10		
Th	e total		100		1009	%	100%	

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Relying on the prescribed curricula issued by Ministry
Main references (sources)	Relying on the curricula prepared by the subject lectu
Recommended books and references (scientific journals,	Scientific journals and research in the specialization
reports)	
Electronic References, Websites	Internet sites such as Google, YouTube, and social media in the field of specialization

Instructor of theoritical part

Instructor of practical part

Dr. Basmaa saaduldeen sheet

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