

## Adıyaman Üniversitesi FACULTY OF ENGINEERING

## FOOD ENGINEERING

## Gıda Mühendisliği

	1.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AİİT101	Ataturk's Principles and Turkish Revolution I	2+0+0	Compulsory	2
FİZ101	Physics I	2+0+2	Compulsory	4
GDM105	Biology	2+0+0	Compulsory	4
GDM109	Introduction of Food Engineering	2+0+0	Compulsory	6
KİM101	Chemistry	2+0+2	Compulsory	4
MAT101	Calculus I	3+1+0	Compulsory	5
TD101	Turkish I	2+0+0	Compulsory	2
YD101	Foreign Language I	2+0+0	Compulsory	3
			Total ECTS	30

	2.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AİİT102	Ataturk's Principles and Turkish Revolution II	2+0+0	Compulsory	2
ENF102	Basic Information Technologies	2+0+0	Compulsory	5
FİZ102	Physics II	2+0+2	Compulsory	4
GDM108	Engineering Drawing with Computer	1+2+0	Compulsory	4
KİM102	Organic Chemistry	3+0+0	Compulsory	5
MAT102	Calculus II	3+1+0	Compulsory	5
TD102	Turkish II	2+0+0	Compulsory	2
YD102	Foreign Language II	2+0+0	Compulsory	3
			Total ECTS	30

	3.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
GDM203	Engineering Mathematics	3+0+0	Compulsory	4
GDM205	Mass and Rnergy Balances	3+0+0	Compulsory	4
GDM207	General Microbiology	2+0+2	Compulsory	5
GDM209	Food Chemistry and Biochemistry	4+0+0	Compulsory	5
GDM211	Engineering Thermodynamics	2+0+0	Compulsory	3
KİM201	Analytical Chemistry	2+2+0	Compulsory	4
MUH201	Statistic for Engineering	2+0+0	Compulsory	3
SOSSEC1	Social Elective Course 1	2+0+0	Elective	2
			Total ECTS	30
SOS201	Communication	2+0+0	Elective	2
SOS203	Enviromental Management Systems	2+0+0	Elective	2
SOS205	Engineering Economy	2+0+0	Elective	2
SOS207	Critical Analytic Thinking	2+0+0	Elective	2
SOS209	History of Science	2+0+0	Elective	2

	4.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
GDM200	Internship 1	0+0+0	Compulsory	0
GDM202	Fluid Mechanics	3+0+0	Compulsory	4
GDM204	Heat and Mass Transfer	3+0+0	Compulsory	4
GDM206	FOOD MICROBIOLOGY I	2+0+2	Compulsory	5
GDM208	Reaction Kinetics	2+0+0	Compulsory	3
GDM212	Instrumental Food Analysis	2+0+2	Compulsory	5
GDM218	Laboratory Techniques	2+0+2	Compulsory	4
MUH204	Occupational Health and Safety	2+0+0	Compulsory	3
SOSSEC2	Social Elective Course 2	2+0+0	Compulsory	2
			Total ECTS	30
SOS202	Public Relations	2+0+0	Elective	2
SOS204	First Aid	2+0+0	Elective	2
SOS206	Enviromental Pollution and Control	2+0+0	Elective	2
SOS208	Artifical Intelligence Methods	2+0+0	Elective	2
SOS210	Research and Investigation Techniques	2+0+0	Elective	2

	5.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
GDM301	Food Engineering Unit Operations	4+0+0	Compulsory	5
GDM303	Food Biotechnology	3+0+0	Compulsory	5
GDM305	Food Microbiology II	2+0+0	Compulsory	4
GDM311	Nurtition	2+0+0	Compulsory	4
GDM313	Food Packaging	2+0+0	Compulsory	4
GDM315	Fermentation Technology	2+0+0	Compulsory	4
GDMSEC1	Professional Elective Courses 1	2+0+0	Elective	2
SOSSEC3	Social Elective Courses 3	2+0+0	Elective	2
0000200	Coolai Elective Courses o	21010	Total ECTS	30
			Total LOTS	30
GDM317	Cold Technique and Storage	2+0+0	Elective	2
GDM319	Food and Business Ethics	2+0+0	Elective	2
GDM321	Quality Control and Legislation	2+0+0	Elective	2
GDM323	Material Science	2+0+0	Elective	2
GDM325		2+0+0	Elective	2
	Food Preservation Techniques	2+0+0		
SOS301	Patents and Industrial Designs		Elective	2
SOS303	Environment and Ecology	2+0+0	Elective	2
SOS305	History of Art	2+0+0	Elective	2
SOS307	Sign Language	2+0+0	Elective	2
SOS309	Operational Research	2+0+0	Elective	2
SOS311	Technology and Innovation Management	2+0+0	Elective	2
	6.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
GDM300	Internship 2	0+0+0	Compulsory	0
GDM302	Fruit and Vegetable Processing Technology	2+0+2	Compulsory	5
GDM304	Cereal Processing Technology	2+0+2	Compulsory	5
GDM306	Oil Technology	3+0+0	Compulsory	4
GDM310	Food Additives and Toxicology	2+0+0	Compulsory	4
GDM324	Hygiene and Sanitation in Food Industry	2+0+0	Compulsory	4
GDMSEC2	Professional Elective Courses 2	2+0+0	Elective	6
SOSSEC4	Social Elective Courses 4	2+0+0	Elective	2
		21010	LIECTIVE	
		21010	Total ECTS	30
CDM200	Decease Mathada and Taghairusa		Total ECTS	
	Research Methods and Techniques	2+0+0	Total ECTS  Elective	2
GDM312	Food Quality and Safety Systems	2+0+0 2+0+0	Total ECTS  Elective Elective	2 2
GDM312 GDM314	Food Quality and Safety Systems Special Food Technology	2+0+0 2+0+0 2+0+0	Total ECTS  Elective Elective Elective	2 2 2
GDM312 GDM314 GDM316	Food Quality and Safety Systems Special Food Technology Industrial Microbiology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective	2 2 2 2
GDM312 GDM314 GDM316 GDM318	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective	2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective	2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective	2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS311	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Compulsory/Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS3114	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory/Elective Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory/Elective Compulsory Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Cheese Technology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory/Elective Compulsory Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Cheese Technology Catering Technology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory/Elective Compulsory Compulsory Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314 COURSE CODE GDM403 GDM403 GDM411 GDM413 GDM413 GDM423	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory/Elective Compulsory Compulsory Compulsory Compulsory Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 5 5 5 5 4 4 4 4
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM433	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 5 5 5 4 4 4 4
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM423 GDM433 GDM8EC3	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project Professional Elective Courses 3	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 4 4 4 4
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM423 GDM433 GDM8EC3	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 5 5 5 5
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM423 GDM433 GDM8EC3	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project Professional Elective Courses 3	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 4 4 4 4
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM423 GDM423 SOSSEC5	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project Professional Elective Courses 3	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 4
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM423 GDM423 GDM423 GDM423 GDM423 GDM407	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Cheese Technology Catering Technology Enzyme Science and Technology Senior Design Project Professional Elective Courses 5	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Total ECTS	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS310 SOS312 SOS314  Course Code GDM403 GDM405 GDM411 GDM413 GDM423 GDM423 GDM423 GDM423 GDM407 GDM409	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project Professional Elective Courses 3 Social Elective Courses 5	2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+2 2+0+2 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0 2+0+0	Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Elective Compulsory/Elective Compulsory Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GDM312 GDM314 GDM316 GDM318 GDM320 GDM322 SOS302 SOS304 SOS306 SOS308 SOS310 SOS312 SOS314  Course Code GDM403 GDM403 GDM413 GDM423 GDM423 GDM423 GDM423 GDM407 GDM407 GDM409 GDM417	Food Quality and Safety Systems Special Food Technology Industrial Microbiology Food Machinery and Equipment Food Reology Sensory Analysis Techniques Entrepreneurship Ahi Community and Professional Ethics Production Planning Ergonomy Climate Change and Sustainable Management Career Planning and Development International Relations  7.Semester Course Plan Course Name Meat Science and Technology Dairy Science and Technology Catering Technology Enzyme Science and Technology Senior Design Project Professional Elective Courses 3 Social Elective Courses 5  Design in Food Engineering Aquaculture Processing Technology	2+0+0 2+0+0	Elective  Compulsory Compulsory Compulsory Compulsory Compulsory Elective Elective Elective Elective Elective Elective Elective Elective	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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GDM429	Emulsion Technology in Food Production	2+0+0	Elective	2
SOS401	Business Law	2+0+0	Elective	2
SOS403	Intellectual and Industrial Property	2+0+0	Elective	2
SOS405	Energy Conservation in Industry	2+0+0	Elective	2
SOS407	Business Administration and Management	2+0+0	Elective	2
SOS409	Factory Organization and Facility Planning	2+0+0	Elective	2
SOS411	Productivity Measurement and Analysis	2+0+0	Elective	2
SOS413	Project Management	2+0+0	Elective	2
SOS415	Energy and Environment	2+0+0	Elective	2

	8.Semester Course Plan			
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
GDM404	Engineering Adaptation	0+2+0	Compulsory	15
GDM406	Product Development	2+0+0	Compulsory	5
GDM408	Food Projects Preparation Technique	2+0+0	Compulsory	5
GDM410	Problems and Evaluation of Local Food Business	2+0+0	Compulsory	5
			Total ECTS	30