



**AFYON KOCATEPE UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**DEPARTMENT OF FOOD ENGINEERING**



**DOCTOR OF PHILOSOPHY (PhD) PROGRAM**

**FIRST YEAR**

FIRST SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6501	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6601	THESIS PREPARATION	C	0	1	1	0	1	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
<b>TOPLAM</b>			<b>20</b>	<b>1</b>	<b>21</b>	<b>12</b>	<b>30</b>	

SECOND SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6502	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6602	THESIS PREPARATION	C	0	1	1	0	1	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
<b>TOTAL</b>			<b>20</b>	<b>1</b>	<b>21</b>	<b>12</b>	<b>30</b>	



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**SECOND YEAR**

THIRD SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6503	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6603	THESIS PREPARATION	C	0	1	1	0	1	
GDM-6701	SEMINAR	C	0	2	2	0	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
	ELECTIVE COURSE	E	3	0	3	3	5	
<b>TOTAL</b>			<b>17</b>	<b>3</b>	<b>20</b>	<b>9</b>	<b>30</b>	

FOURTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6504	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6604	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	



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**THIRD YEAR**

FIFTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6505	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6605	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	

SIXTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6506	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6606	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	

**FOURTH YEAR**

SEVENTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6507	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6607	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	

EIGHTH SEMESTER								
COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*					
			TH	AP	TO	CR	EC	
GDM-6508	DIRECTED FIELD STUDIES	C	8	0	8	0	9	
GDM-6608	THESIS	C	0	1	1	0	21	
<b>TOTAL</b>			<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>	

**ELECTIVE COURSES**



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COURSE CODE	COURSE NAME	C/E	COURSE CREDIT*				
			TH	AP	TO	CR	EC
FBE-5001	SCIENTIFIC RESEARCH AND METHODS	C	3	0	3	3	5
GDM-6001	SPECIFIC DAIRY PRODUCTS TECHNOLOGY	E	3	0	3	3	5
GDM-6002	TECHNOLOGIES OF FOREIGN CHEESES	E	3	0	3	3	5
GDM-6003	RECENT DEVELOPMENTS OF DAIRY TECHNOLOGY	E	3	0	3	3	5
GDM-6004	DETERIOTATION FACTORS IN FOODS	E	3	0	3	3	5
GDM-6005	FOOD DRYING TECHNOLOGY	E	3	0	3	3	5
GDM-6006	PROJECT STUDIES IN FOOD SECTORS	E	3	0	3	3	5
GDM-6008	BAKERY PRODUCTS TECHNOLOGY	E	3	0	3	3	5
GDM-6009	MILK BIOCHEMISTRY	E	3	0	3	3	5
GDM-6010	MODIFIED OIL PRODUCTION TECHNOLOGY	E	3	0	3	3	5
GDM-6011	SPECIAL TOPICS IN CEREAL TECHNOLOGY	E	3	0	3	3	5
GDM-6012	FOOD DRYING TECHNIQUES	E	3	0	3	3	5
GDM-6013	FOOD ADDITIVES USED IN FOOD INDUSTRY	E	3	0	3	3	5
GDM-6014	MILLING SYSTEMS IN CEREAL TECHNOLOGY	E	3	0	3	3	5
GDM-6015	NATURAL ANTIOXIDANT AND ANTIMICROBIALS	E	3	0	3	3	5
GDM-6016	MEAT BIOCHEMISTRY	E	3	0	3	3	5
GDM-6017	PRODUCTION DEFECTS IN MEAT TECHNOLOGY	E	3	0	3	3	5
GDM-6018	ENZYME TECHNOLOGY	E	3	0	3	3	5
GDM-6019	PHYSICAL PROPERTIES OF FOOD AND BIOLOGICAL MATARIALS	E	3	0	3	3	5
GDM-6020	INDUSTRIAL MICROBIOLOGY	E	3	0	3	3	5
GDM-6021	SPECIAL TOPICS IN FOOD ENGINEERING	E	3	0	3	3	5
GDM-6022	SUFFICIENT AND BALANCED NUTRITION TECHNIQUES	E	3	0	3	3	5
GDM-6024	DEVELOPMENTS IN FOOD MICROBIOLOGY	E	3	0	3	3	5
GDM-6025	DEVELOPMENTS IN MILK AND DAIRY PRODUCTS TECHNOLOGY	E	3	0	3	3	5
GDM-6029	MEAT AND MEAT PRODUCTS MICROBIOLOGY	E	3	0	3	3	5
GDM-6030	DEVELOPMENTS IN FOOD BIOTECHNOLOGY	E	3	0	3	3	5
GDM-6031	DISTILLED ALCHOLIC BEVERAGES TECHNOLOGY	E	3	0	3	3	5
GDM-6032	FOOD SAFETY AND MICROBIOLOGIC CRITERIAS	E	3	0	3	3	5
GDM-6033	WATER AND FISHERY PRODUCTS MICROBIOLOGY	E	3	0	3	3	5
GDM-6034	CEREAL EXTRUSION PRODUCTS	E	3	0	3	3	5
GDM-6035	PROTEIN CHEMISTRY	E	3	0	3	3	5
GDM-6036	STARCH CHEMISTRY	E	3	0	3	3	5



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GDM-6037	FOOD LIPIDS	E	3	0	3	3	5
GDM-6038	ADVANCED PROCESS CALCULATIONS	E	3	0	3	3	5
GDM-6041	TRANSPORT PROPERTIES IN FOODS	E	3	0	3	3	5
GDM-6042	FOOD TOXICOLOGY	E	3	0	3	3	5
GDM-6043	POULTRY MEAT TECHNOLOGY	E	3	0	3	3	5
GDM-6044	SHELLFISH PROCESSING TECHNOLOGY	E	3	0	3	3	5
GDM-6045	PARADATOR (TUNA ETC.) TECHNOLOGY	E	3	0	3	3	5
GDM-6046	BIOCHEMICAL CHANGE IN FRUIT AND VEGETABLE	E	3	0	3	3	5
GDM-6047	MYCOTOXINS	E	3	0	3	3	5
GDM-6048	SPECIAL TOPICS IN MEAT TECHNOLOGY	E	3	0	3	3	5
GDM-6049	FOOD CONTAMINANTS	E	3	0	3	3	5
GDM-6050	NEW DEVELOPMENTS IN MEAT TECHNOLOGY	E	3	0	3	3	5
GDM-6051	OLIVE OIL TECHNOLOGY	E	3	0	3	3	5
GDM-6053	THERMAL ANALYZES	E	3	0	3	3	5
GDM-6054	ADVANCED SURFACE CHEMISTRY	E	3	0	3	3	5
GDM-6055	ADVANCED FOOD MICROBIOLOGY	E	3	0	3	3	5
GDM-6056	METABOLISM OF MICROORGANISMS	E	3	0	3	3	5
GDM-6057	MICROORGANISM ISOLATION AND IDENTIFICATION	E	3	0	3	3	5
GDM-6058	FERMANTATION MICROBIOLOGY	E	3	0	3	3	5
GDM-6059	CELL STRUCTURE AND FUNETIONS IN MICROORGANISMS	E	3	0	3	3	5
GDM-6060	NEW DEVELOPMENTS IN OLIVE SCIENCE AND TECHNOLOGY	E	3	0	3	3	5
GDM-6061	INSTRUMENTAL ANALYSIS METHODS IN FOODS	E	3	0	3	3	5
GDM-6062	PRESSURIZATION, EXTRACTION AND RAFININIG TECHNIQUES IN OIL TECHNOLOGY AND WASTE-BY PRODUCT EXALUATION	E	3	0	3	3	5
EGT-6001	DEVELOPMENT AND LEARNING	E	3	0	3	3	5
EGT-6002	INSTRUCTIONAL PLANNING AND EVALUATION	E	3	0	3	3	5