

**FOOD ENGINEERING DEPARTMENT**

**TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP**

					Programme Outcomes												
Course Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13
<b>1st Year - 1st Semester</b>																	
GDM1001	MATHEMATICS-I	4	2	6	5	3	1	1	1	2	5	2	2	0	0	0	0
GDM1003	PHYSICS-I	3	1	5	5	3	2	2	4	3	5	2	2	0	0	0	2
GDM1005	GENERAL CHEMISTRY	2	1	4	5	4	3	3	4	4	5	2	4	0	0	0	3
GDM1007	LINEAR ALGEBRA	3	0	3	5	3	1	1	1	2	5	2	2	0	0	0	0
GDM1009	INTRODUCTION TO FOOD ENGINEERING	2	0	2	5	4	3	3	2	4	5	3	4	5	3	3	3
TDL1011	TURKISH LANGUAGE-I	2	0	2	0	0	0	0	0	1	5	5	3	0	0	0	1
YDL1013	FOREIGN LANGUAGE-I	3	0	3	0	0	0	0	0	2	5	5	4	0	0	0	2
ATA1015	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION-I	2	0	2	0	0	0	0	0	1	5	4	3	0	0	0	1
ENF1021	BASIC COMPUTER	2	2	3	1	2	1	5	3	3	5	5	5	0	1	0	5
<b>1st Year - 2nd Semester</b>																	
GDM1002	MATHEMATICS-II	4	2	6	5	3	1	1	1	2	5	2	2	0	0	0	0
GDM1004	PHYSICS-II	2	1	4	5	3	2	2	4	3	5	2	2	0	0	0	2

GDM1006	COMPUTER AIDED ENGINEERING DRAWING	2	1	5	3	3	1	5	3	3	5	5	5	1	1	0	2
GDM1008	COMPUTER PROGRAMMING	2	0	3	4	4	1	5	3	4	5	5	5	0	1	0	2
GDM1010	ORGANIC CHEMISTRY	3	0	3	5	4	3	3	4	4	5	2	4	0	0	0	3
GDM1012	BIOLOGY	2	0	2	5	3	2	2	2	4	5	3	4	0	0	0	3
TDL1012	TURKISH LANGUAGE-II	2	0	2	0	0	0	0	0	1	5	5	3	0	0	0	1
YDL1014	FOREIGN LANGUAGE-II	3	0	3	0	0	0	0	0	2	5	5	4	0	0	0	2
ATA1016	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION-II	2	0	2	0	0	0	0	0	1	5	4	3	0	0	0	1
2nd Year - 3rd Semester																	
GDM2001	ENGINEERING MATHEMATICS	2	0	4	5	3	3	4	3	4	4	4	4	3	3	3	2
GDM2003	FLUID MECHANICS	3	0	4	5	3	3	4	3	4	4	4	4	3	4	3	3
GDM2005	ANALYTICAL CHEMISTRY	2	2	5	5	4	4	4	3	4	4	4	4	3	4	4	3
GDM2007	MATERIAL AND ENERGY BALANCES	3	0	4	5	4	3	4	3	4	4	4	4	3	4	3	3
GDM2009	GENERAL MICROBIOLOGY	2	2	5	5	5	4	4	4	4	4	4	4	5	4	4	5
	SUMMER PRACTICE			3	5	5	4	4	4	4	5	5	5	5	5	4	5
2nd Year - 4th Semester																	
GDM2002	INSTRUMENTAL FOOD ANALYSES	2	2	5	5	5	4	4	4	4	4	4	4	3	4	4	4
GDM2004	FOOD CHEMISTRY	4	0	5	5	4	4	4	3	4	4	4	4	3	4	4	4
GDM2006	THERMODYNAMICS	3	0	4	5	3	3	4	3	4	4	4	4	3	3	2	3
GDM2008	PROBABILITY AND STATISTICS	3	0	4	5	4	3	3	3	4	4	4	4	3	3	2	3
	SUMMER PRACTICE			3	5	5	4	4	4	4	5	5	5	5	4	4	5



GDM4002	FATS AND OILS TECHNOLOGY	2	2	5	4	5	5	5	5	3	0	3	4	3	2	3	3
GDM4004	MEAT PRODUCTS PROCESSING TECHNOLOGY	2	2	5	4	5	5	5	5	3	0	3	4	3	2	3	3
GDM4006	FERMENTATION TECHNOLOGY	2	2	5	4	5	5	5	5	3	0	3	4	3	2	3	3
<b>2nd Year - 3rd Semester Technical Elective Courses</b>																	
GDM2011	PHYSICAL CHEMISTRY	2	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0
GDM2013	MATERIAL SCIENCE	2	0	5	4	4	0	4	0	0	0	0	0	0	0	0	0
<b>2nd Year - 4th Semester Technical Elective Courses</b>																	
GDM2010	NUTRITION	2	0	5	3	4	4	0	0	4	0	0	0	4	3	3	2
GDM2012	FOOD AND HEALTH	2	0	5	3	4	4	0	0	4	0	0	0	4	3	3	2
<b>2nd Year - 4th Semester Social Elective Courses</b>																	
GDM2014	FIRST AID	2	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0
GDM2018	FOLK DANCE	2	0	4	0	0	0	0	0	0	5	0	0	0	0	0	0
GDM2020	LIFE LONG SPORTS	2	0	4	0	0	0	0	0	0	5	0	0	0	0	0	0
GDM2024	NATURAL DISASTERS AND DISASTER MANAGEMENT	2	0	4	0	0	0	0	0	0	2	0	0	0	0	0	0
GDM2030	PHOTOGRAPHY	2	0	4	0	0	0	0	0	0	1	1	0	0	0	0	0
GDM2038	ART HISTORY	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
GDM2040	TRADITIONAL TURKISH HANDICRAFTS	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
GDM2048	INTRODUCTION TO SOCIOLOGY	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
GDM2054	HISTORY OF SCIENCE AND	2	0	4	0	0	0	0	0	2	0	0	1	0	0	0	0



GDM4009	PROCESS CONTROL	2	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5
GDM4011	READY-MADE MEAL TECHNOLOGY	2	0	5	0	0	5	5	5	3	3	5	3	5	0	5	5
GDM4013	PRODUCT DEVELOPMENT	2	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4th Year - 7th Semester General Elective Courses																	
GDM4015	OCCUPATIONAL HEALTH AND SAFETY	2	0	4	0	5	5	5	5	3	5	5	5	5	0	5	5
GDM4017	ENGINEERING ETHICS	2	0	4	5	0	4	5	5	5	5	5	5	5	3	5	5
GDM4019	HUMAN RESOURCE MANAGEMENT	2	0	4	0	0	0	0	0	0	5	5	5	0	0	0	0
GDM4021	ENTREPRENEURSHIP AND BUSINESS MANAGEMENT	2	0	4	3	0	4	5	4	5	3	4	4	3	5	4	5
GDM4023	ENGINEERING APPLICATIONS	2	0	4	5	5	5	5	5	5	5	5	5	5	5	5	5
4th Year - 8th Semester Technical Elective Courses I and II																	
GDM4008	SPECIAL FOODS	2	0	5	3	5	4	2	0	0	0	0	0	0	0	0	0
GDM4010	WASTE OF FOOD INDUSTRY AND UTILIZATION	2	0	5	3	5	4	0	3	5	4	3	0	4	0	4	4
GDM4012	INDUSTRIAL MICROBIOLOGY	2	0	5	4	5	4	5	3	5	0	0	3	3	3	0	0
GDM4014	SEAFOOD PRODUCTS TECHNOLOGY	2	0	5	3	4	4	2	5	0	0	0	0	3	0	3	0
GDM4016	FOOD BIOCHEMISTRY	2	0	5	4	5	4	2	5	3	0	0	0	0	0	3	0
* Level of Contribution: 0-None, 1-Lowest, 2-Low, 3-Average, 4-High, 5-Highest																	