

UNDERGRADUATE COURSE DETAILS

Course Title: Food Processing Industry Wastes And Disposal Methods				Code : USD0000		Faculty: E.F Programme: Environmental Engineering		
Education and Teaching Methods							Credits	
Lecture	Application	Lab.	Project/ Field Study	Homework	Other	Total	Credit T+A+L=Credit	ECTS
							2+0+0=2	3
Semester			6		Language		Turkish/English	
Course Type	Basic Scientific ☐		Univ. Elective ☒		Technical Elective ☐		Social Elective ☐	
Course Objectives	The aim of this course is to provide an overview of food industry wastes and disposal methods.							
Learning Outcomes and Competencies	Students acquire the ability to explain the basic and main characteristics of industrial wastes and disposal methods. Recognize the effects of wastes/wastewaters on the environment and society. Students can make and compare environmental evaluations of waste/wastewater treatment techniques. To know what kind of wastes/wastewater are suitable for disposal or reuse. Students acquire the ability to understand importance of ISO 14001 Environmental Management System.							
Textbooks and /or References	Waste treatment in the food processing industry / edited by Lawrence K. Wang ... [et al.] 2006, CRC Press, ISBN-13: 978-0-8493-7236-0. TS EN ISO 14001, Türk Standartları Enstitüsü.							
ASSESSMENT CRITERIA								
Theoretical Courses				Project Course and Graduation Study				
	If any, mark as (X)	Percent (%)		If any, mark as (X)	Percent (%)			
Midterm Exams	X	40	Midterm Exams					
Quizzes			Midterm Controls					
Homework			Term Paper					
Term Paper, Project Reports, etc.			Oral Examination					
Laboratory Work			Final Exam					
Final Exam	X	60	Other					
Other								
Week	Subjects							
1	Introduction to waste treatment							
2	Treatment of solid wastes							
3	Treatment of wastewaters							
4	Treatment of Dairy Processing Wastewaters							
5	Seafood Processing Wastewater Treatment							
6	Treatment of Meat Wastes							
7	Treatment of Palm Oil Wastewaters							
8	Olive and Olive Oil Waste Treatment							
9	Potato Wastewater Treatment							
10	Soft Drink Waste Treatment							
11	Bakery Waste Treatment							
12	Food Industry Waste Treatment							
13	ISO 14001:Environmental Management System							
14	Legislations; Turkey, Europe etc.							
Instructor/s	Research Assistant Dr. Süleyman UZUNER							
e-mail	suzuner@balikesir.edu.tr							
Website								