1. Course Description

COU	RSE DESCRIPTION FORM				
Course Code and Title	CHE348 Plastic Materials				
Course Semester	6				
Catalog Description (Content) of the Course	Plastic materials and additives. Usage of the plastics. Environmental effects of plastics. Plastic wastes recycling.				
Main Textbook	Savaşçı O.T., Uyanık N., Akovalı G.; Plastikler ve Plastik Teknolojisi, Çantay Kitabevi, İstanbul, 1998				
Supporting Textbooks	Brent Strong, Plastics: Materials and Processing 2nd Edition, 2000 Prentice Hall.				
Course Credit (ECTS)					
Prerequisites of the Course					
(Compulsory attendance should be indicated here.)	There is no prerequisite or co-requisite for this course.				
Type of the Course	Elective				
Instruction Language of the Course	English				
Object and Target of the Course	The course is taught to get students acquainted with basic concepts in plastic materials.				
Learning Outcomes of the Course	Teaching of technological development of advances in the fields of plastic materials and manufacturing				
Mode of Delivery	The mode of delivery of this course is Face to face				
Weekly Schedule of the Course	1. Week Introduction to plastics 2. Week The application of plastics 3. Week Pillers in plastic materials 6. Week Preparation of plastics 7. Week Preparation of plastic mixtures 8. Week Preparation of plastic mixtures 9. Week Plastic processing 10. Week Physical and mechanical standart test systems 11. Week Physical and mechanical standart test systems 12. Week Environmental Aspects of Plastics 13. Week Environmental Aspects of Plastics 14. Recycling of plastics				

	Week									
Educative Activities (Credit will be determined based on the time given for these activities. Should be filled carefully.)	Theoretical Study Hours of Course Per Week Reading Searching in Internet and Library Preparing Reports Preparing Presentation Presentation Mid-Term and Studying for Mid-Term Final and Studying for Final									
Assessment Criteria		Quantity			Total Contribution					
	Midterm	Midterm 50			(%)					
	Homework 10			5						
	Assignme		0	0						
	Projects		0	0						
	Practice		0	0						
	Quiz	Quiz 0			0					
	Contribution of Interm Studies to 60 Overall Grade									
	Contribut Examinati Overall G									
	-	Attendance 0			0					
	Activity			Total Week Count	Wee Dura (in ho	tion	Total Workload in Semester			
		Theoretical Study Hours of Course Per Week			3			42		
	Practicing Week									
	Reading					1		10		
	Searching	10	1			10				
	Designin									
Workload of the Course		Preparing Reports				3		3		
	Preparing Presentation			1		5		5		
	Presentation			1	5			5		
	Mid-Term and Studying for Mid- Term			2	5		10			
	Final and Studying for Final			1	2		2			
	Other			15	0			0		
	Total work load				 		87			
	Total work load/25							3,48		
	ECTS of the course						3	,		
	Number	Pı	rogram Outco	mes	•	1	2	3	4 5	
	Adequate knowledge in mathemati engineering subjects pertaining to t discipline; ability to use theoretical information in these areas to model			cs, science and he relevant	d	X				
Course's Contribution To Program	1	discipline; ability information in the	ese areas to model							
Course's Contribution To Program	2	discipline; ability	ese areas to model lems. v, formulate, and s lems; ability to se	and solve solve complex lect and apply		X				

		product under realistic constraints and conditions, in such a way as to meet the desired result; ability to apply modern design methods for this purpose.					
	4	Ability to devise, select, and use modern techniques and tools needed for engineering practice; ability to employ information technologies effectively.			X		
	5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating engineering problems.	X				
	6	Ability to work efficiently in intra-disciplinary teams.				X	
	7	Ability to work efficiently in multi-disciplinary teams;	X				
	8	Ability to work individually.				X	Ī
	9	Ability to communicate effectively in Turkish/English, both orally and in writing; Ability to write effective reports and comprehend written reports, make effective presentations,			X		
	10	prepare design and production reports, give and receive clear and intelligible instructions.		X			ſ
	11	Recognition of the need for lifelong learning; ability to access information, to follow developments in science and technology, and to continue to educate him/herself.	X				
	12	Awareness of professional and ethical responsibility.	X				Ī
	13	Information about business life practices such as project management, risk management, and change management.		X			
	14	Information about awareness of entrepreneurship, innovation, and sustainable development.	X				İ
	15	Knowledge about contemporary issues and the global and societal effects of engineering practices on health, environment, and safety.	X				
	16	Knowledge about awareness of the legal consequences of engineering solutions.	X				
	17	Knowledge on standards used in engineering practice.			X		
Name of Lecturer(s) and Contact Imformation		rof. Dr. Nursel Dilsiz dilsiz@gazi.edu.tr					