

MARMARA UNIVERSITY Faculty of Arts and Sciences

Chemistry Department

3	S								(Chem	istry	Dep	artm	ent								
المناج المناج	TES	SYLLABUS																				
1883		2015-2016 Fall								Course					e level: Lisans (First Cycle)							
Course Code	Course Name						Course Type			Course Pool (if exists)				Local Credit		ECTS Credit	Semester					
CHEM4525 Biopolymers										Seçimli	k				2	0	3	3	1			
Prerequisite (Ders Kodu ve Adı, Min Harfli Başarı Notu)							Prerequisite to (Ders Kodu ve Adı, Min Harfli Başarı Notu)							Weekly Time & Classroom Schedule (Gün, Saat Aralığı, Derslik)								
Course Lecturer	Doç.Dr. Suzan Abdurrahmanoğlu									Teaching <unvar< td=""><td colspan="8">an, Adı, Soyadı></td></unvar<>					an, Adı, Soyadı>							
Office/Room No	C-426									Office	/Roon	n No										
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E-mail	suzana@marmara.edu.tr E-mail																					
Web											Web											
Office hour	Mand										Office hour											
schedule	IVIOITO	iay 10.0	00-12.0	00						sched	ule											
Objectives		urse W					e	age or t	ine stru		Tunction	n, prope	erties ar	na use	от вюр	olymers						
	1.																					
Textbooks and	2.																					
or References																						
	1.	Explai	n and	evalua	te hior	olyme	rs nro	nertie	s hase	d on th	neir str	ucture										
	2.																					
Course	3.																					
Learning	Understand and discuss the importance of biopolymer properties: biocompatibility and biodegradability																					
Outcomes	, , , , , , , , , , , , , , , , , , , ,																					
								0									434					
	Program Outcomes 1:Weak; 2:Medium; PK1 PK2 PK3 PK4 PK5 PK6 PK7 PK8 PK9 PK10 PK11 PK12 PK13 PK14 PK15 Course Learning Outcomes																					
Program	PK1	PK2	PK3	PK4	PK5	PK6	PK7	PK8	PK9	PK10	PK11	PK12	PK13	PK14	PK15	DV4						
Outcomes x	3		2				3							3			Explain and					
Course	3		2				3							3			Know the					
Learning	2		2				3							3			Describe th					
Outcomes	3		2				3							3		DK4.	Understan	d and disc	u			
Matrix																						
I anguage es	3	0	2	0	0	0	3	0	0	0	0	0	0	3	0	тота	L EFFECT					
Language of Instruction			Lear	ning I	Activit	ies an	d Tea	ching	Met	nods					Co	urse P	resentati	on Form				

CHEM452	Course Code			Course Name			urse Type Course Po		exists)	· I Col		ırse	Local Credit	Cre		Semester			
	5	Biopolyme	rs			Seçimlik	k				2	0	3	3		1			
İngilizce		Anlatım/su	num, soru-ce	Yüzyüze, power point sunumu, soru-cevap, karatahta , örnek olay									karatahta ,						
Week	Date			We		Reference No - Section													
1. Week		Introd	luction, defir	nition of term	1.2														
2. Week		Classi	fication of bi	opolymers		1.2													
3. Week		Types	ypes and chemistry of biopolymers 1.2																
4. Week		Polysa	Polysaccharides; cellulose, starch 1.2																
5. Week	Polysa	accharides; c	hitin, hyaluro		1.2														
6. Week		Biopla	stics and bio	and biocomposites										1.2					
7. Week		Glute	n, natural ru	rubber															
8. Week		Midte	rm Exam																
9. Week	Week Intrinsic pro				operties of biopolymers									1.2					
10. Week			ronic structure and cunducting properties of biopolymers										1.2						
11. Week Biopol			opolymers for specific applications									1.2							
12. Week Source			urce of biopolymers									1.2							
13. Week Modifie			lodified cellulose fibres as biosorbent									1.2							
14. Week		Віоро	lymers in ph	pharmacology								1.2							
15. Week		Biopo	lymers used	d in drug delivery								1.2							
16. Week		Study	Week																
17. Week		Final 6	Exam																
	uation	Evaluation		SSL (BDS)	BNAL (E		Date	OKL (BE		tht in	Total		lation (nester			
			10015			Date			Weight in Total (%)			Evaluation (%)							
		Final Exam	/:6							60.00									
Evaluation Tools and Weight %		Final-Make ı	•	•										0.00					
		Semester Ev		ols	1					100	.00			100.00					
		Midterm Exa	am(s)							30.	00			30	0.00				
		Quiz(es)																	
		Project																	
		Homework								10.	00			10	0.00				
		Laboratory/																	
		Presentation																	
		Research / R	leport / Othe	er															
		Attendance																	
				St	udent Wor	kload (Calcul	lation											
001		Weekly Avr. Hour	Semester Total Hour	Tool		Weekly Avr. Hour		Semester Total Hour		Tool				ekly vr.	Sen	nester Total hour			
Theoretical Hours			28	Midterm Exa Preparation					14 Atelier a		and F	Preparation							
Applied Hours 0.0		0.00	0	Quiz and Pre					De		Presentation/Semin Demo and Preparat		-						
Pre-class Self Study 1.		1.00	14	Project and	Preparation	tion				Research/ Report, Other and Prepara		eport/							
Pre-application/Post- application Self Study			Homework a					Final Exam and Preparation				.00		14					
Total Student		oad Hours:	70	1 ECTS Cre		udent V	Norki	load H			Wor	kload ation:	esap Do	ğru					

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