EĞİTİMDE REVİZYON KAPSAMINDA ÖNERİLEN LİSANS PROGRAMI

			E	Δl	1 11V		MU CE	IEMICAL	ENGINEE	ÖNERİLEN LİSANS PROGRAMI RING DEPARTMENT JRSES (2022-2023)							
	1. Semester	Courses							2. Semester								
	Code	Course Name	_	P	_		ECTS	PR	Code	Course Name	-	P	I	_	_	CTS	PR
	KMB107 KMB109	Computer Programming	1	0	-	3	3		TBMAT114 TBKİM116	Calculus II	3	-	-	3	-	5	
		Introduction to Chemical Engineering Chemistry I	_	0	_	_	6		KMB106	Chemistry II Computer Aided Technical Drawing	2	-	-) 3	_	6 5	
YEAR	SSD1	Social Elective Course I	_	0	_	_	_		TBFİZ124	Physics II	3	-	2	2 4	_	6	
YE	TBFİZ123	Physics I	3	0	2	4	6		KMB108	Scientific Research Methods and Ethics	1	2) 2	2	4	
1.	TBMAT113	Calambra I		+	0	12	_		ATİ102	Disciples of Addition and History of Developing H	2	0	+) 2	+	<u> </u>	
	IBMAIII3	Calculus I	2	2	10	3	5		A11102	Principles of Atatürk and History of Revolution II	2	0	+	<u> </u>	+	2	
	ATİ101	Principles of Atatürk and History of Revolution I	2	0	0	2	2		YD114	Foreign Language-II	1	2) 2	2	2	
	YD113	Foreign Language-I	1	2	0	2	2						T	†	\top		
		TOTAL	16	6	4	21	30			TOTAL	14	8	4	20	0	30	
	3. Semester		I an	I n	T	La	ECTS	DD.	4. Semester		I an	<u> </u>	T	To	ı I E	oma l	DD.
	Code KMB201	Course Name Physical Chemistry		$\frac{\mathbf{P}}{0}$		3		PR	Code KMB202	Course Name Engineering Numerical Methods	-	P	_) 3	_	CTS 5	PR
		<u> </u>				\top					۲	Ť	۲	\top	\top		TBMAT113
	KMB203	Chemical Process Calculations	L	0		┸	5		KMB258	Fluid Mechanics	3	0	Γ,) 3	_	6	TBMAT114
YEAR	KMB205	Engineering Statistical Methods	_	0	_	2	3		KMB260	Material Science	2	Ť	-) 2	_	4	
2. Y		Organic Chemistry Differential Equations	_	0		3			KMB262 İSG102	Analytical Chemistry Occupational Health and Safety II	2	Ť	+-	2 3	_	5 2	
		Occupational Health and Safety I	-	0	_	2			TDİ102	Turkish Language II	2	-	1	_	_	2	
	TDİ101	Turkish Language I	2	_	-	-			YDİ214	Advanced English II	2	2	() 3	_	4	
	YDİ213	Advanced English I	2	_	_	3			SSD2	Social Elective Course II	2	0	_) 2	2	2	
	E Came - 1	TOTAL	21	2	2	23	30		6 Carra 1	TOTAL	18	2	2	2 20	0	30	
	5. Semester Code	Course Name	т	P	T	C	ECTS	PR	6. Semester Code	Course Name	т	P	T] F	CTS	PR
	KMB343	Mass Transfer		0		3			KMB332	Chemical Reaction Engineering	4	0	(_	_	6	
IR		Labor Law	_	0	0	2	3		KMB334	Engineering Economics	2	0	+) 2	_	3	
YEAR		Chemical Engineering Laboratory I		0	_	2			KMB338	Seperation Processes	3	<u> </u>	+) 3	_	5	
	MUH301 KMB309	Entrepreneurship and Innovation Heat Transfer	2	0	_	3		KMB258	KMB310 KMB314	Chemical Engineering Laboratory II Chemical Engineering Thermodynamics	3	0	+) 3	_	5	KMB311
(*)	KMB309 KMB311	Thermodynamics	_	_	_	3		KMB201		Mathematical Modelling in Chemical Engineering) 3		5	KMB311 KMB217
	KMB349	Instrumental Analysis	1	0	2	2	3		KMB336	Summer Practice	0	0	(0)	10	
		TOTAL	14	0	6	17	30		0 ~	TOTAL	15	0	4	1	7	30	
	7. Semester		<u></u>	T	T =	T~	Eoma	DD	8. Semester			-	T-	Τ.	√ -	OTTO	np.
	Code KMB401	Course Name Process Control		P 0		3	ECTS 4	PR	Code KMB412	Course Name Chemical Engineering Design II	1 1	<u>P</u>	$\overline{}$	_		CTS 4	PR KMB437
	KIVID+01	1 rocess control	٦	Ť	Ť	 	<u> </u>		KWID+12	Chemical Engineering Besign I	1	Ť	Ť	1	+		IXIID-137
	KMB437	Chemical Engineering Design I	1	4	0	3	5	KMB343 KMB309 KMB314	KMB492	Graduation Project*	1	2	(2	2	6	
	KMB405	Chemical Engineering Laboratory III	_	0		2	3			ELECTIVE COURSE 4	3	0	() 3		4	
	KMB439	Chemical Technologies		0	_	3				ELECTIVE COURSE 5	3	<u> </u>	(_	4	
		ELECTIVE COURSE 1 ELECTIVE COURSE 2	_	0		3				ELECTIVE COURSE 6 ELECTIVE COURSE 7	3	<u> </u>	() 3	_	4 4	
		ELECTIVE COURSE 3	-	0	_	3	5			ELECTIVE COURSE 8	3	l -	-) 3	_	4	
									KMB500	Professional Practice Program**		24	_) 13	8	30	
					L.	ļ.,			KMB504	Industrial Practice (4 Elective Course (4,5,6,7))***	-	-	_	12	_	16	
	ELECTIVE C	TOTAL COURSE 1	16	4	4	20	30		ELECTIVE (TOTAL COURSE 4	17	6	10	20	0	30	
	ELECTIVE	Total Quality Assurance in Chemical Industry		0		T_					T_		L	T	Т	_	
	KMB445	(EC 1)							KMB438	Fundamentals of Electrochemical Engineering (EC 4)	3	$ldsymbol{ldsymbol{eta}}$	\perp) 3		4	
		Chemical Safety (EC 1)		0		3			KMB458	Transport Phenomena (EC 4)		0) 3		4	
	KMB449	Energy Technologies (EC 1) Nanoadsorbents for Water Treatment (EC	-	0	†	3	4		KMB460	Nanotechnology (EC 4)	3	0	() 3	+	4	
	KMB459	1/New)	3	0	0	3	4		KMB462	Composite Materials (EC 4)	3	0	() 3	3	4	
									KMB464	Computer Controlled Processes in Chemical Engineering (EC 4)	3	0	() 3		4	
	ELECTIVE C					Ι.					┡	L	╀	+	4		
	KMB461 KMB463	Nuclear Power Reactors (EC 2) Colloid Chemistry (EC 2)	_	0		3					┝	⊢	╀	+	+	-+	
~	KMB465	Academic English (EC 2)	_	0		3			ELECTIVE (COURSE 5	<u> </u>	_					
YEAR	KMB467	Linear Algebra Applications in Engineering (EC	3	-	-	-	5		KMB468	Polymer Chemistry and Technology (EC 5)	3	0	(3	RT.	4	
	KMB469	Biocatalysts (EC 2)		0		3	5		KMB470	Catalysis and Catalytic Processes (EC 5)	3	⊢	() 3		4	
4.				\prod	\prod	\int			KMB472	Basis of Industrial Wastewater and Treatment (EC 5)	3	0	() 3	_	4	
				\prod		\prod			KMB474	Anorganic Chemistry (EC 5)	3	0	() 3		4	
										Pharmaceutical Chemistry (EC 5)	3	0	() 3	3	4	
	ELECTIVE C	•		-	_	-			ELECTIVE (_		Т				
	KMB473	New and Renewable Energy Sources (EC 3)	_	0	-	+	5		KMB466	Drug Delivery Systems (EC 6)	3	Ť	(+	-	4	
	KMB475	Boron Technology (EC 3)	_	0	_				KMB476	Organic Technology (EC 6)	3	0	\perp) 3	_	4	
	KMB477	Introduction to Polymer (EC 3)	-	_	_	3			KMB478	Ceramic Chemistry (EC 6)	_	0	_	_		4	
	KMB441	Chemical Plants and Environmental Safety (EC 3	3	0	0	3	5		KMB480	Plastics Recycling (EC 6)	_	0) 3	_	4	
			\vdash	+	+	+			KMB482	Petroleum Technology (EC 6)	13	0	Τ() 3	1	4	
			H	+	+	+			ELECTIVE (COURSE 7						\dashv	
					$oxedsymbol{oxed}$				KMB442	Plant Organization (EC 7)		0) 3		4	
			Ĺ	$oxedsymbol{\perp}$	\perp	\perp			KMB444	Chemical Enrichment Technology (EC 7)) 3		4	
			\vdash	+	+	+			KMB446	Bioreaction Engineering (EC 7)	\vdash	-	+) 3	+	4	
									KMB450	Occupational Health and Safety in Chemistry Industry (EC 7)	3	0	() 3	3	4	
				T		T		<u> </u>			_	_					
									ELECTIVE (_	_	_		
				\perp	\perp	\perp			KMB428	Reactor Design (EC 8)	3	_	(4	
			\vdash	+	+	+			KMB430	Novel Separation Technologies (EC 8)	-	0	+-) 3	_	4	
		1	\vdash	+	\vdash	+			KMB490	Technical Report Preparation and Presentation (EC 8)	3	\vdash	+) 3	<u>'</u>	4	
									KMB456	Integrated Waste Management in Chemical Industry (EC 8)	3	0	() 3	3	4	
					\Box				KMB448	Conceptual Design of Chemical Processes (EC 8)	_	_	_) 3		4	
			\vdash	\perp	\perp	\perp			KMB452	Fuel Cell Theory and Applications (EC 8)) 3	_	4	
		[L	<u></u>	1 -:	<u> </u>	nner er	eter etud	KMB454	Coal Technology (EC 8)	3	0] () 3	5	4	
	*Conduct' - P	roject may be enamed during the full	*Graduation Project may be opened during the fall semester for the 9th and the upper semester students. **According to PPP_students are exempt from 8_semester courses														
				th a	na t	ne u	pper seme	ester students	•								
	**According to	roject may be opened during the fall semester for the PPP, students are exempt from 8. semester course the are registered to Industrial Practice course must	es.							Elective 7 courses.							
	**According to	o PPP, students are exempt from 8. semester course tho are registered to Industrial Practice course must (a)-Total General Credits:	es.	t reg						(ç)-Total ECTS Credits:		240		_ _	Ţ		
	**According to	o PPP, students are exempt from 8. semester course the are registered to Industrial Practice course must (a)-Total General Credits: (b)-Total Elective Courses Credits:	es.	t reg 158 28						(ç)-Total ECTS Credits: (d)-Total Elective Courses ECTS Credits:		38			_ 		
	According to *Students wi	o PPP, students are exempt from 8. semester course tho are registered to Industrial Practice course must (a)-Total General Credits:	no	t reg						(ç)-Total ECTS Credits:							