											Fall semester: Augu	st 20)15~Ja	anuary	2016
	Course Code	E / C	SUBJECT	Crt.	Grade	1 Semes.	2Semes.		Course Code	E / C	SUBJECT	Crt.	Grade	1 Semes.	2Semes.
Compulsory Courses	CED627	С	Seminar	4	1, 2	1	1	Pro	CEM180	Е	Principles and Applications of Adsorption Process	3	1	3	
	CED001 CED002	С	English Technical Writing (1)(2)	2	1	1	1	Profess	CEM161	E	Enzymes and Cell Immobilization	3	1	3	
	CLD002		"'''''''''''''''''''''''''''''''''''''					iona	CEM131	Е	Polymer Structure and Physical Properties	3	1	3	
									CEM201	Е	Instrumental Analysis Special	3	1	3	
								Elective	CEM101	Е	Topics Air Pollution Control Theory	3	1	3	
Core	CEM030	Е	Advanced Reaction	3	1	3			CEM350		and Design Particulate Engineering	3	1	3	
re Elective Courses	CEM052		Engineering Advanced Transport	3	1	3		Courses			Membrane Technology	3	1	3	
	CEM120		Phenomena(1) Advanced Organic	3	1	0	3		CEM080		Opto-Polymers & Their	3	1	3	
			Materials Advanced Transport		-		_				Application Special Topics in Advanced	-	-		
	CEM060		Phenomena(2) Advanced Process	3	1		3		CEM740	_	Electrochemistry	3	1	3	
	CEM220		Engineering Advanced Inorganic	3	1		3		CEM750		Research Methodology	3	1	3	
	CEM123	E	Materials Advanced	3	1	3			CEM760	E	R&D and Patents Practice	3	1		3
	CEM270	Е	Thermodynamics	3	1		3		CEM091	Е	Solid-state Chemistry	3	1		3
	BEM121	Е	Biochemical Engineering	3	1		3		CEM034	Е	Statistics and Analysis for Engineers	3	1	3	
	BEM122	Е	Biomedical Engineering	3	1		3		CED005	Е	Applied Industrial Microbiology	3	1	3	
									CED007		Tissue Engineering	3	1	3	
									CEM016	E	Theory and Design of Wastewater Treatment	3	1		3
									CEM540	E	Bioreactor	3	1		3
									CEM452	Е	Polymer Blends	3	1		3
									CEM21Y	Е	Experimental Design	3	1		3
								-	CEM454	Е	Thin Film Processing	3	1		3
									CEM256	Е	Battery and Energy Conversion	3	1		3
									CEM520	Е	Functional Polymers	3	1		3
											Advanced Separation Process	3	1		3
											Bioseparation	3	1		3
											Cell Therapy and Regenerative	-			3
									CENIOSZ		Medicine Clinical Applications of		-	0	0
	A.L. 1				1.		DI D				Matoriala	0	-	-	0
marks	credit Max.of Studen Ph.D. All gr Assess Intern toward for M.	hc 6 ts stu adu men ati gr S.	ours of Thesis) and 9 of credit hours outside of have to take least 3 of idents must take the co- nate students must pass of for Foreign Students onal students may take raduation requirement students and 9 credit	credi of CM course ompuls s/mee s, Co s, Co e elec <u>or g</u> hours	t hours E Depar es from sory Se t the H llege of ctive of raduati s for H	s of co rtment n 9 cor eminar English of Engi courses <u>con req</u> Ph.D. s	re elect and Bio e elect course profic neering in Eng <u>uiremen</u> tudents	cti cch tiv in cie g, gli t <u>(</u> s.	ve cour em/Biom e cours the fi ncy tes Chang G sh and <u>of core</u> These c	E 12 ses ed es. rst t/r ung pro <u>el</u>	Medicine Clinical Applications of Biomedical Engineering and Uncreased credit hours from the required of Graduate Institutes are counted year and second year (total 4 of equirement as outlined in "Engli	for a credit ish Pr ate in s of visor	graduat t hours roficie nstitut 12 crea and gn	tion 5). ency tes of dit hou raduate	CGI