COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLP	LI&AS	NW	EECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	198	CAREER PLANNING II CAREER PLANNING II	SPR/1972 - AUT/9999	1.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06 APPROVED:11/11/71																	
CHEM E	299	UNDERGRAD RESEARCH Undergraduate Research	SPR/2012 - AUT/9999	1.0-03.0	9.0	.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/17/15 APPROVED:12/20/11																	
CHEM E	301	LEADERSHIP SEMINAR Leadership Seminar	AUT/2008 - AUT/9999	1.0		.	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/14/07 APPROVED: 3/13/07																	
CHEM E	309	CREAT INNOVATION Creativity and Innovation	AUT/2010 - AUT/9999	2.0		.		.		.	.	.	Y	.	.	.	.	.	.	BSE 309	BSE 309	.
					LAST UPDT: 6/16/10 APPROVED:11/22/82																	
		COMMENT:CHG JT STATUS																				
CHEM E	310	MATERL & ENRGY BAL Material and Energy Balances	SPR/2011 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/25/11 APPROVED: 3/27/80																	
		COMMENT:EMAIL PREQ CHG																				
CHEM E	325	ENERGY AND ENTROPY Energy and Entropy	AUT/2012 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 7/13/12 APPROVED: 6/16/09																	
		COMMENT:12-13 PREQ CHG																				
CHEM E	326	CH E THERMODYNAMICS Chemical Engineering Thermodynamics	AUT/2012 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 7/13/12 APPROVED: 2/01/72																	
		COMMENT:12-14 PREQ CHG																				
CHEM E	330	TRANSPORT PROCESS I Transport Processes I	WIN/2007 - AUT/9999	5.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06																	
		COMMENT:CHG CRS																				
CHEM E	340	TRANSP PROCESS II Transport Processes II	WIN/1990 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06																	
		COMMENT:CHG CREDITS																				

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	341	ENERGY & ENVIRON Energy and Environment	AUT/2014 - AUT/9999	3.0		.		.		.	.	.	.	.	Y	.	.	.	.	CHEM E341	M E 341	.
					LAST UPDT: 2/19/14			APPROVED: 1/24/94													ENVIR 341	
		COMMENT:CHG RESP DEPT																				
CHEM E	345	INTRO FUEL CELLS INTRODUCTION TO FUEL CELLS	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/11/12			APPROVED: 6/25/03														
		COMMENT:12-14 PREQ CHG																				
CHEM E	355	BIO FOR ENGINEERS Biological Frameworks for Engineers	WIN/2015 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:11/14/14			APPROVED: 2/25/02														
		COMMENT:EMAIL PREQ CHG																				
CHEM E	375	CH E COMPUTR SKILLS Chemical Enginering Computer Skills	WIN/2010 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/16/09			APPROVED: 6/25/03														
		COMMENT:CHG GRADING																				
CHEM E	435	TRANSP PROCESS III Transport Processes III	AUT/1973 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 7/10/09																	
CHEM E	436	CHEM ENGR LAB I Chemical Engineering Laboratory I	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 7/13/12																	
		COMMENT:12-14 PREQ CHG																				
CHEM E	437	CHEM ENGR LAB II Chemical Engineering Laboratory II	WIN/1974 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 7/10/09																	
CHEM E	440	ENERGY MAT DEV & SYS Energy Materials, Devices, and Systems	AUT/2017 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CHEM 466	MSE 466	.
					LAST UPDT: 5/08/17			APPROVED: 3/21/17													CHEM 466	
CHEM E	442	RENEWABLE ENERGY Renewable Energy	SPR/2014 - AUT/9999	4.0		.		.		.	.	.	.	.	Y	.	.	.	.	M E 442	M E 442	.
					LAST UPDT: 3/19/14			APPROVED: 5/24/93														
		COMMENT:CHG PREQ - JT STATUS																				

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	EMP	CQSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	445	FUEL CELL ENGR	SPR/2001 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		Fuel Cell Engineering																				
					LAST UPDT: 8/25/00			APPROVED: 8/23/00														
CHEM E	450	SLD MTLS& CHEM PROC	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		SOLID STATE MATERIALS AND CHEMICAL PROCESSES																				
					LAST UPDT: 7/13/12			APPROVED: 5/30/91														
		COMMENT:12-14 DESC, PREQ CHG																				
CHEM E	455	SURF COLL SCI LAB	WIN/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		Surface and Colloid Science Laboratory																				
					LAST UPDT: 6/17/09			APPROVED: 3/01/80														
		COMMENT:CHG CREDITS, PREQ, DESC																				
CHEM E	457	PRIN MOLECULAR ENGR	SPR/2013 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		Principles of Molecular Engineering																				
					LAST UPDT:12/19/12			APPROVED:12/18/12														
CHEM E	458	SURFACE ANALYSIS	WIN/1989 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	BIOEN 492	BIOEN 492	.
		Surface Analysis																				
					LAST UPDT:10/17/00			APPROVED:12/17/87														
CHEM E	460	POLYCHEM LAB	SPR/2017 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		Polymer chemistry Laboratory																				
					LAST UPDT: 5/11/17			APPROVED: 6/07/16														
CHEM E	461	ELECTROCHEMICAL ENG	WIN/1993 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		Electrochemical Engineering																				
					LAST UPDT:12/14/92			APPROVED: 5/29/92														
CHEM E	465	REACTOR DESIGN	WIN/2008 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		Reactor Design																				
					LAST UPDT: 6/21/07																	
		COMMENT:CHG DESC																				
CHEM E	467	BIOCHEMICAL ENGRING	WIN/1988 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CHEM E467	BIOEN 467	.
		Biochemical Engineering																				
					LAST UPDT:10/04/94			APPROVED:12/17/87														
CHEM E	468	AIR P CONT DESIGN	SUM/2000 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CEE 494	CEE 494	.
		AIR POLUTION CONTROL EQUIPMENT DESIGN																				
					LAST UPDT:12/11/12			APPROVED: 5/27/82													M E 468	

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	ILI&S	NEW	ELECT	EMP	ECMS	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	480	PROC DYNM & CONTRL Process Dynamics and Control	WIN/2008 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 6/21/07																					
		COMMENT:CHG DESC																					
CHEM E	481	PROCESS OPTIMIZATN Process Optimization	SPR/1968 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 6/06/06																					
CHEM E	482	ADVANCED CONTROL Advanced Topics in Process Control	SPR/1988 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 3/14/94 APPROVED:12/01/87																					
CHEM E	484	ELECTRONIC POLYMERS Electronic and Optoelectronic Polymers	AUT/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 6/26/03 APPROVED: 6/25/03																					
		COMMENT:CONVERSION OF TEMP COURSE																					
CHEM E	485	PROCESS DESIGN I Process Design I	WIN/2008 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 6/21/07 APPROVED: 4/01/80																					
		COMMENT:CHG DESC																					
CHEM E	486	PROCESS DESIGN II Process Design II	AUT/2012 - AUT/9999	5.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 7/13/12																					
		COMMENT:12-14 DESC CHG																					
CHEM E	490	ENG MATLS BIOMED AP Engineering Materials for Biomedical Applications	SPR/1978 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	BIOEN 490	BIOEN 490	.
		LAST UPDT:10/02/06 APPROVED: 9/23/71																					
		COMMENT:NEW DESCRIPTION																					
CHEM E	491	CONTROLLED REL SYS Controlled-Release Systems	WIN/2015 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	BIOEN 491	BIOEN 491	.
		LAST UPDT: 4/16/14 APPROVED:11/17/77																					
		COMMENT:CHANGE TITLES																					
CHEM E	493	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	BIOEN 493	BIOEN 493	.
		LAST UPDT: 4/18/12 APPROVED: 4/17/12																					

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	497	DESIGN SPEC PROJ	SPR/1998 - AUT/9999	1.0-06.0	12.0	.		.	11	.	.	.	.	.	.	.	.	.	.	.	.	.
		Special Projects in Chemical Engineering Design																				
					LAST UPDT: 4/24/98			APPROVED: 3/31/98														
CHEM E	498	SPECIAL TOPICS	WIN/1980 - AUT/9999	1.0-04.0	12.0	Y		.		.	.	.	.	.	.	.	.	.	.	.	.	.
		Special Topics in Chemical Engineering																				
					LAST UPDT:10/02/06			APPROVED: 6/07/79														
		COMMENT:RICHLAND ADDED 01-24-1980																				
CHEM E	499	UNDERGRAD RESEARCH	SPR/1988 - AUT/9999	1.0-06.0	12.0	Y		.	11	.	.	.	.	.	.	.	.	.	.	.	.	.
		Undergraduate Research																				
					LAST UPDT:10/02/06																	
		COMMENT:CHG PREQS																				
CHEM E	510	MATH FOUND SYST THR	AUT/2014 - AUT/9999	4.0	.			.		.	.	.	.	.	.	.	.	.	.	E E	510 A A	510 .
		Mathematical Foundations of Systems Theory																				
					LAST UPDT: 7/31/14			APPROVED:10/24/91													E E	510
		COMMENT:14-16 PREQ CHG																			M E	510
CHEM E	511	BIOMATERIAL SEMINAR	SPR/2010 - AUT/9999	1.0	18.0	.	CR/NC	.		.	.	.	.	.	.	.	.	.	.	BIOEN 511	BIOEN 511	.
		Biomaterials Seminar																				
					LAST UPDT: 3/21/16			APPROVED: 1/24/85														
		COMMENT:CHG MAX CREDITS																				
CHEM E	512	METH OF ENGR ANALYS	AUT/2017 - AUT/9999	3.0	.			.		.	.	.	.	.	.	.	.	.	.	.	.	.
		Methods of Engineering Analysis																				
					LAST UPDT: 6/09/17			APPROVED: 5/14/97														
CHEM E	514	ADV CHEME LAB	WIN/2015 - AUT/9999	3.0	.			.		.	.	.	.	.	.	.	.	.	.	.	.	.
		Advanced Chemical Engineering Laboratory																				
					LAST UPDT:12/17/14			APPROVED:12/16/14														
CHEM E	515	EXPERIMENTL METHODS	AUT/2003 - AUT/9999	3.0	.			.		.	.	.	.	.	.	.	.	.	.	.	.	.
		Experimental Methods in Chemical Engineering Research																				
					LAST UPDT: 6/26/03			APPROVED: 6/25/03														
CHEM E	523	SMNR IN CHEM ENGR	AUT/1984 - AUT/9999	0.0-01.0	30.0	.	CR/NC	.		.	.	.	.	.	.	.	.	.	.	.	.	.
		Seminar in Chemical Engineering																				
					LAST UPDT: 5/02/13			APPROVED: 5/23/69														
		COMMENT:CHG CREDITS, 5/2013 RETRO MAX																				
CHEM E	525	CHEM ENGR THERMDYNM	AUT/1972 - AUT/9999	4.0	.			.		.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemical Engineering Thermodynamics																				
					LAST UPDT:10/02/06																	
		COMMENT:CHG CREDITS																				

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLP	ILA	&S	NW	ELECT	EMP	CQS	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	526	TPCS IN THERMODYNAM TOPICS IN THERMODYNAMICS	AUT/1982 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/11/12																		
		COMMENT:CHG DESC																					
CHEM E	530	MOMNT,HT,MS TR I Momentum, Heat, and Mass Transfer I	AUT/1986 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/26/10																		
CHEM E	531	MOMNT,HT,MS TR II Momentum, Heat, and Mass Transfer II	WIN/2001 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06 APPROVED: 5/23/63																		
		COMMENT:CHANGE CREDITS																					
CHEM E	532	SEPARATION PROCESS SEPARATION PROCESSES	AUT/1982 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06																		
		COMMENT:CHG DESC																					
CHEM E	533	MASS TRANSFER MASS TRANSFER	WIN/1982 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 0/00/00 APPROVED: 9/01/81																		
CHEM E	540	ENERGY MAT DEV & SYS Energy Materials, Devices, and Systems	AUT/2017 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	CHEM 566	MSE 566	.
					LAST UPDT: 5/08/17 APPROVED: 3/21/17																	CHEM 566	
CHEM E	545	DATA SCI CLEAN ENRG Data Science Methods for Clean Energy Research	WIN/2018 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/02/17 APPROVED: 4/18/17																		
CHEM E	546	SW ENGR MOL DATA SCI Software Engineering for Molecular Data Scientists	WIN/2018 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/02/17 APPROVED: 4/18/17																		
CHEM E	554	NANOSCALE SCI I Nanoscale Science I: Contact Mechanics and Rheology on the Nanoscale	SPR/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 1/30/98 APPROVED:10/23/97																		
CHEM E	555	INTERFACL PHENOMENA Interfacial Phenomena	WIN/1984 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06																		
		COMMENT:RTRN CHG CREDITS																					

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	556	COLLOIDAL SYSTEMS Colloidal Systems	SPR/2013 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/26/14 APPROVED: 3/02/72																	
		COMMENT:CHG TITLES, CREDITS, DESC																				
CHEM E	557	RES INTERF COLL SCI RESEARCH IN INTERFACIAL AND COLLOID SCIENCE	AUT/1997 - AUT/9999	1.0		.	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/11/12 APPROVED: 4/15/97																	
CHEM E	558	SURFACE ANALYSIS Surface Analysis	WIN/1985 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	BIOEN 592	BIOEN 592	.
					LAST UPDT:10/17/00 APPROVED:10/25/84																	
CHEM E	560	REACTNS AT SURFACES Reactions at Solid Surfaces	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 7/13/12 APPROVED:12/17/87																	
		COMMENT:12-14 DESC, PREQ CHG																				
CHEM E	561	ELECTRONS AT SURFS ELECTRONS AT SURFACES	WIN/1997 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:11/25/96 APPROVED:11/18/96																	
CHEM E	564	APPL CHEM KINETICS APPLICATIONS OF CHEMICAL KINETICS	AUT/1982 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/11/12 APPROVED: 2/18/71																	
		COMMENT:CHG DESC																				
CHEM E	565	KINETIC & CATALYSIS Kinetics and Catalysis	WIN/1978 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 0/00/00																	
CHEM E	566	GAS AIR POLL CONT CONTROL OF GASEOUS AIR POLLUTANTS	WIN/2001 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CHEM E566	CEE 558	.
					LAST UPDT: 2/07/14 APPROVED:12/01/83																	
		COMMENT:CHG JT STATUS																				
CHEM E	567	PART AIR POLL CONT CONTROL OF PARTICULATE AIR POLLUTANTS	WIN/2001 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CHEM E567	CEE 559	.
					LAST UPDT: 6/21/17 APPROVED:12/15/83																	
CHEM E	570	HIGH POLYMERS CHEMISTRY OF HIGH POLYMERS	SPR/1972 - AUT/9999	3.0		6.0	Y	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 8/02/13																	

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLP	LI&A	NSW	EECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	571	POLY PHYS ENGR POLYMER PHYSICS AND ENGINEERING	SPR/1978 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 0/00/00			APPROVED:10/01/77														
CHEM E	572	ADV POLY COMP ADVANCED POLYMERIC COMPOSITES	AUT/1982 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 0/00/00			APPROVED: 2/01/82														
CHEM E	575	NONLINEAR ANALYSIS NONLINEAR ANALYSIS IN CHEMICAL ENGINEERING	SPR/1974 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/11/12			APPROVED: 5/23/63														
		COMMENT:CHG TITLES, CREDITS																				
CHEM E	580	TOPICS CH E DESIGN Topics in Chemical Engineering Design	AUT/2012 - AUT/9999	3.0	9.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 9/17/12			APPROVED: 3/28/74														
		COMMENT:12-14 DESC CHG																				
CHEM E	582	ADVANCED CONTROL ADVANCED TOPICS IN PROCESS CONTROL	SPR/1988 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/04/05			APPROVED:12/01/87														
CHEM E	584	ELECTRONIC POLYMERS Electronic and Optoelectronic Polymers	AUT/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/26/03			APPROVED: 6/25/03														
		COMMENT:CONVERSION OF TEMP COURSE																				
CHEM E	588	RES APPL MICROBIOL Research in Applied Microbiology	AUT/1997 - AUT/9999	1.0	30.0	.	CR/NC	.		.	.	.	.	.	.	.	.	.	.	CHEM E588	MICROM588	.
					LAST UPDT: 5/02/13			APPROVED: 4/15/97														
		COMMENT:5/2013 RETRO MAX																				
CHEM E	590	ADV BIOMATERIALS Advanced Topics in Biomaterials	SPR/1986 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	BIOEN 590	BIOEN 590	.
					LAST UPDT:10/04/94			APPROVED:11/25/85														
CHEM E	591	ROBOT & CONTR COLL Robotics and Control Systems Colloquium	AUT/1996 - AUT/9999	1.0	30.0	Y	CR/NC	.		.	.	.	.	.	.	.	.	.	.	A A 591	A A 591	.
					LAST UPDT: 5/16/13			APPROVED:10/27/93													E E 591	
		COMMENT:5/2013 RETRO MAX																			M E 591	
CHEM E	593	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	BIOEN 593	BIOEN 593	.
					LAST UPDT: 4/18/12			APPROVED: 4/17/12														

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	ILI&A	NSW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
CHEM E	599	CURRENT TPCS CH E Current Topics in Chemical Engineering	WIN/2009 - AUT/9999	1.0-05.0	12.0	Y		.			.	.	.	.	.	.	.	.	.	.		.
		COMMENT:CHG CREDITS			LAST UPDT:11/19/08																	
CHEM E	600	INDEPENDNT STDY/RSH Independent Study or Research	SPR/1972 - AUT/9999	0.0	999.0	.		.	11		.	.	.	.	.	.	.	.	.	.		.
					LAST UPDT: 8/02/13 APPROVED:11/01/74																	
CHEM E	700	MASTERS THESIS Master's Thesis	AUT/1967 - AUT/9999	0.0	999.0	.		.	11		.	.	.	.	.	.	.	.	.	.		.
					LAST UPDT: 4/19/10 APPROVED:11/01/74																	
CHEM E	800	DOCTORAL DISSERTATN Doctoral Dissertation	SUM/1976 - AUT/9999	0.0	999.0	.		.	11		.	.	.	.	.	.	.	.	.	.		.
					LAST UPDT: 4/19/10 APPROVED: 1/01/70																	

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
NME	220	MOL/NANO PRINCIPLES Introduction to Molecular and Nanoscale Principles	WIN/2011 - AUT/9999	4.0		.		.		.	.	.	.	.	Y	.	.	.	.			.
					LAST UPDT: 6/17/10					APPROVED: 1/20/09												
		COMMENT:WAS CHEM E 220																				
NME	221	NANO MOL ENG SEM I Nanoscience and Molecular Engineering Seminar I	SUM/2010 - AUT/9999	1.0		.	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/17/10					APPROVED: 5/18/10												
NME	321	NANO MOL ENG SEM II Nanoscience and Molecular Engineering Seminar II	SPR/2011 - AUT/9999	1.0		.	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/19/11					APPROVED: 5/18/10												
		COMMENT:EMAIL PREQ CHG																				
NME	421	NANO MOL ENG SEM III Nanoscience and Molecular Engineering Seminar III	SUM/2010 - AUT/9999	1.0		.	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/17/10					APPROVED: 5/18/10												
NME	498	SPECIAL TOPICS Special Topics in Nanoscience and Molecular Engineering	AUT/2010 - AUT/9999	1.0-04.0	12.0	.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/17/10					APPROVED: 5/18/10												