COLLEGE : J - Engineering
DEPARTMENT: MAT SCI AND 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
MSE	170	FUNDMNT MATERLS SCI	AUT/2009 - AUT/9999	4.0		.		.		.	.	.	.	.	Y	.	.	.	.			.
		FUNDAMENTALS OF MATERIALS SCIENCE			LAST UPDT: 6/24/09			APPROVED: 6/15/99														
		COMMENT:CHG PREQ																				
MSE	298	INTRO MODERN MTLS	SPR/2005 - AUT/9999	1.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTRODUCTION TO MODERN MATERIALS			LAST UPDT: 2/02/05			APPROVED: 1/31/05														
MSE	310	INTRO MSE	AUT/2002 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTRODUCTION TO MATERIALS SCIENCE AND ENGINEERING			LAST UPDT: 8/14/08			APPROVED: 2/22/93														
		COMMENT:WAS MSE 300;CHG CRDS,HRS,DESCR																				
MSE	311	INTEGRAT JR LAB I	AUT/2002 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTEGRATED JUNIOR LABORATORY I			LAST UPDT: 8/14/08			APPROVED: 2/22/93														
		COMMENT:WAS MSE 317;CHG TTLS,HRS,CD																				
MSE	312	INTEGRAT JR LAB II	WIN/2003 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTEGRATED JUNIOR LABORATORY II			LAST UPDT: 8/14/08			APPROVED: 2/22/93														
		COMMENT:WAS MSE318;CHG TITLES,CR,DESCR																				
MSE	313	INTEGRAT JR LAB III	SPR/2003 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTEGRATED JUNIOR LABORATORY III			LAST UPDT: 8/14/08			APPROVED: 2/22/93														
		COMMENT:WAS MSE 319;CHG TITLE,CR,DESCR																				
MSE	321	THERM & PHAS EQUIL	AUT/2002 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		THERMODYNAMICS AND PHASE EQUILIBRIUM			LAST UPDT: 8/14/08																	
		COMMENT:WAS MSE 322;CHG TTLS,CRDS,CD																				
MSE	322	KINETIC MICRO EVOL	WIN/2003 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		KINETICS AND MICROSTRUCTURAL EVOLUTION			LAST UPDT:10/25/06			APPROVED: 6/24/02														
		COMMENT:WAS MSE315;CHG TITLE,DESC.PRER																				
MSE	331	CRYSTALLOG & STRUCT	AUT/2002 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		CRYSTALLOGRAPHY AND STRUCTURE			LAST UPDT: 8/14/08			APPROVED: 2/22/93														
		COMMENT:WAS MSE 314; CHG TTLS,CRDS,CD																				
MSE	333	MTLS CHARACTERIZ	SPR/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MATERIALS CHARACTERIZATION			LAST UPDT: 6/25/02			APPROVED: 6/24/02														
MSE	342	MATERIALS PROCESS I	WIN/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MATERIALS PROCESSING I			LAST UPDT:10/25/06			APPROVED: 6/24/02														
		COMMENT:WAS MSE421;CHG TITLE,DESCR,PRE																				

COLLEGE : J - Engineering
DEPARTMENT: MAT SCI AND ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	EMP	CQS	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
MSE	351	ELEC THEOR ENGR MTL	WIN/2003 - AUT/2010	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		ELECRON THEORY OF ENGINEERING MATERIALS			LAST UPDT:12/15/09																	
		COMMENT:WAS MSE466;CHG TITLE,CR,DES,PR																				
MSE	351	ELEC PROP MATERIALS	WIN/2011 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		ELECTRONIC PROPERTIES OF MATERIALS			LAST UPDT:12/15/09																	
		COMMENT:CHG TITLES																				
MSE	352	PROP OF MATERIALS	SPR/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		FUNCTIONAL PROPERTIES OF MATERIALS I			LAST UPDT: 6/25/02					APPROVED: 6/24/02												
MSE	362	MECH BEHAV MTLS I	SPR/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MECHANICAL BEHAVIOR OF MATERIALS I			LAST UPDT: 8/14/08					APPROVED:11/17/83												
		COMMENT:WAS MSE316;CHG TITLE,CR,DES,PR																				
MSE	421	STUDIES IN THERMO	WIN/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		CASE STUDIES IN THERMODYNAMICS			LAST UPDT:10/25/06					APPROVED:11/17/83												
		COMMENT:CHG TITLES,DESCRIPT,PREREQ.																				
MSE	431	FAILURE ANALYSIS	AUT/2007 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		FAILURE ANALYSIS AND DURABILITY OF MATERIALS			LAST UPDT: 8/14/08					APPROVED: 4/19/75												
		COMMENT:CHG TITLES, PREQ																				
MSE	442	MTLS PROCESSING II	AUT/2002 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MATERIALS PROCESSING II			LAST UPDT: 8/06/08					APPROVED: 3/18/71												
		COMMENT:WAS CER E 421;CHG CRDS,TTLS,CD																				
MSE	443	PROCESS PRINCIPLES	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		PROCESS PRINCIPLES IN FERROUS AND NON-FERROUS MATL			LAST UPDT: 3/18/09					APPROVED: 9/22/83												
		COMMENT:CHG TITLES, DESC																				
MSE	452	PROPERTIES MTLS II	WIN/2003 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		FUNCTIONAL PROPERTIES OF MATERIALS II			LAST UPDT: 8/06/08					APPROVED: 9/20/79												
		COMMENT:WAS CER E414;CHG TITLE,CR,DES,																				
MSE	462	MECH BEHAV MTLS II	SPR/2009 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MECHANICAL BEHAVIOR OF MATERIALS II			LAST UPDT:10/22/08					APPROVED: 4/01/75												
		COMMENT:CHG PREQ																				
MSE	463	CORROSN & WEAR MTLS	SPR/2003 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		CORROSION AND WEAR OF MATERIALS			LAST UPDT: 8/14/08					APPROVED: 7/10/69												
		COMMENT:WAS METE432;CHG TITLES,CR,DESC																				

COLLEGE : J - Engineering
DEPARTMENT: MAT SCI AND 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
MSE	471	POLYMER SCI & ENGR	AUT/2002 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTRODUCTION TO POLYMER SCIENCE AND ENGINEERING			LAST UPDT: 8/14/08 APPROVED:12/21/88																	
		COMMENT:WAS MSE 433; CHG TTLS,DESCR,HR																				
MSE	473	NONCRYSTALLINE STATE	SPR/2003 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		NONCRYSTALLINE STATE			LAST UPDT: 8/06/08																	
		COMMENT:WAS CERE 411;CHG TITLE,DES,PRE																				
MSE	475	COMPOSITE MATERIALS	AUT/2003 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		INTRODUCTION TO COMPOSITE MATERIALS			LAST UPDT: 8/14/08																	
		COMMENT:WAS MSE423;CHG TITLE,DESC,PRER																				
MSE	477	HI-TEMP MATERIALS	SPR/2003 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		HIGH TEMPERATURE MATERIALS			LAST UPDT: 8/06/08																	
		COMMENT:WAS CERE470;CHG TITLE,DESC,PRE																				
MSE	481	NANOSTRUCTURES	WIN/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		SCIENCE AND TECHNOLOGY OF NANOSTRUCTURES			LAST UPDT:12/23/03 APPROVED:12/22/03																	
MSE	484	MATERIALS CHEMISTRY	SPR/2006 - AUT/9999	3.0		.		.		.	.	.	.	.	Y	.	.	.	.	CHEM 484	CHEM 484	.
		MATERIALS CHEMISTRY			LAST UPDT: 6/10/08 APPROVED: 2/24/06																	
		COMMENT:WAS MSE 371																				
MSE	485	ELECTRNC PACKAGING	WIN/1997 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	M E 485	M E 485	.
		INTRODUCTION TO ELECTRONIC PACKAGING AND MATERIALS			LAST UPDT: 6/14/96 APPROVED: 4/29/96																	
MSE	486	IC TECHNOLOGY	WIN/2001 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	MSE 486	E E 486	.
		FUNDAMENTALS OF INTEGRATED CIRCUIT TECHNOLOGY			LAST UPDT:10/25/06 APPROVED: 1/03/01																	
		COMMENT:WAS MSE 467; CHG JT STATUS																				
MSE	487	ELECT PKG LAB	WIN/2000 - AUT/9999	1.0		.		.		.	.	Y	.	.	.	.	.	.	.	M E 487	M E 487	.
		LABORATORY IN ELECTRONIC PACKAGING AND MATERIALS			LAST UPDT: 7/23/04 APPROVED: 2/03/99																	
					FEE TYPE:1 $75.00 BUDGET:069397 REV OBJ CD:943081																	
MSE	491	DESIGN MTLS ENGRG I	SPR/2007 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		DESIGN IN MATERIALS ENGINEERING I			LAST UPDT:10/26/09																	
		COMMENT:CHG TITLES, CREDITS, PREQ																				
MSE	492	DESIGN MTLS ENGRG II	SPR/2007 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		DESIGN IN MATERIALS ENGINEERING II			LAST UPDT: 1/24/07 APPROVED:12/11/02																	
		COMMENT:CHG CREDITS, DESC																				

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DEPARTMENT: MAT SCI AND ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HRE	FACP	VLIAS	NWCT	EECMPR	QSRN	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
MSE	497	UNDERGRAD RESEARCH	SPR/2005 - AUT/9999	1.0-05.0	12.0	.	CR/NC	.												.
		UNDERGRADUATE RESEARCH																		
								LAST UPDT:12/21/04							APPROVED:12/24/04					
MSE	498	SPECIAL TOPICS	AUT/1984 - AUT/9999	1.0-05.0	8.0	Y		.				Y								.
		SPECIAL TOPICS																		
								LAST UPDT:10/30/06							APPROVED:11/17/83					
								FEE TYPE:1 $50.00 BUDGET:069332 REV OBJ CD:943081												
MSE	499	SPECIAL PROJECT	AUT/1992 - AUT/9999	0.0	5.0	Y		.	11											.
		SPECIAL PROJECT																		
								LAST UPDT: 2/24/95							APPROVED:11/19/87					
		COMMENT:CHANGE DESCRIPTION																		
MSE	501	ADV PROC. INORG MAT	AUT/1999 - AUT/9999	3.0				.												.
		ADVANCED PROCESSING OF INORGANIC MATERIALS																		
								LAST UPDT:10/30/06							APPROVED:10/27/89					
		COMMENT:CHANGE TITLE & DESCRIPTION																		
MSE	502	SOL-GEL PROCESSING	AUT/1999 - AUT/9999	3.0				.												.
		SOL-GEL PROCESSING																		
								LAST UPDT: 2/08/99							APPROVED: 2/03/99					
MSE	504	INTRO TO MEMS	AUT/2001 - AUT/9999	4.0				.										E E	502 M E 504	.
		INTRODUCTION TO MICROELECTRIC MECHANICAL SYSTEMS																	E E 502	
								LAST UPDT:10/30/06							APPROVED: 5/21/01					
		COMMENT:CHANGE JOINT STATUS																		
MSE	510	BONDING & STRUCTURE	AUT/2004 - AUT/9999	3.0				.												.
		BONDING, CRYSTALLOGRAPHY, AND SYMMETRY-RELATED PRO																		
								LAST UPDT:12/01/03							APPROVED:10/01/89					
		COMMENT:CHANGE DESC,TITLES																		
MSE	512	TRANSM ELC MICRSCPY	WIN/1990 - AUT/9999	3.0				.												.
		EXPERIMENTAL TRANSMISSION ELECTRON MICROSCOPY																		
								LAST UPDT:10/30/06							APPROVED: 6/27/85					
		COMMENT:CHG DESC																		
MSE	513	TEM LAB	WIN/1990 - AUT/9999	2.0				.												.
		TRANSMISSION ELECTRON MICROSCOPY LABORATORY																		
								LAST UPDT:10/30/06							APPROVED: 6/27/85					
		COMMENT:CHG TITLES, DESC																		
MSE	515	ADV TEM	SPR/1990 - AUT/9999	3.0				.												.
		ADVANCED TRANSMISSION ELECTRON MICROSCOPY																		
								LAST UPDT: 0/00/00							APPROVED:10/01/89					
MSE	518	ADVANCED MINERALOGY	AUT/2009 - AUT/9999	3.0				.										ESS	537 ESS 537	.
		ADVANCED MINERALOGY																		
								LAST UPDT: 8/12/09							APPROVED: 3/01/90					
		COMMENT:CHG JT STATUS																		
MSE	520	SEMINAR	SPR/1984 - AUT/9999	1.0	6.0	Y	CR/NC	.												.
		SEMINAR																		
								LAST UPDT:10/30/06							APPROVED:11/17/83					
		COMMENT:WAS CER E/MET E 520																		

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DEPARTMENT: MAT SCI AND ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	EECT	LMP	ECQR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
MSE	524	APP RATE PHENOMENA	AUT/1977 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		APPLIED RATE PHENOMENA			LAST UPDT:10/30/06			APPROVED: 3/30/77														
MSE	525	KINETICS & PHASE TR	SPR/2000 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		KINETICS AND PHASE TRANSFOMATIONS			LAST UPDT:10/30/06			APPROVED:10/27/89														
		COMMENT:CHG TITLE & DESCRIPTION																				
MSE	528	PHYSICS VLSI FAB	AUT/2005 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	E E 528	E E 528	.
		PHYSICS AND MODELING OF VLSI FABRICATION			LAST UPDT: 5/26/05			APPROVED: 5/23/05														
MSE	541	DEFECTS IN MATERIALS	WIN/2001 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		DEFECTS IN MATERIALS			LAST UPDT:10/30/06			APPROVED:10/27/89														
		COMMENT:CHANGE TITLES AND PREREQS																				
MSE	544	MECH BEHAVIOR MAT	SPR/1997 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MECHANICAL BEHAVIOR OF MATERIALS			LAST UPDT:10/30/06			APPROVED:11/18/96														
		COMMENT:WAS MSE 521;CHG TITL, DESC																				
MSE	550	MAGNETIC MATERIALS	SPR/2003 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MAGNETISM, MAGNETIC MATERIALS, AND RELATED TECHNOL			LAST UPDT: 2/27/03			APPROVED: 2/26/03														
MSE	555	BIOMIMETICS	SUM/1996 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		BIOMEMETICS: BIOINSPIRED DESIGN AND PROCESSING...			LAST UPDT: 4/23/97			APPROVED: 1/24/96														
MSE	559	THIN FILM TECHNOL	SPR/1996 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CHEM E559	CHEM E559	.
		THIN FILM SCIENCE, ENGINEERING, AND TECHNOLOGY			LAST UPDT: 7/03/95			APPROVED: 6/30/95														
MSE	560	ELECT/PHOTONIC MTLS	SPR/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	MSE 560	CHEM 564	.
		ORGANIC ELECTRONIC AND PHOTONIC MATERIALS/POLYMERS			LAST UPDT: 8/24/04			APPROVED: 8/20/04														
MSE	562	INTRO ELECTRONC COMP	SPR/1999 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	M E 562	M E 562	.
		INTRODUCTION TO ELECTRONIC COMPOSITES			LAST UPDT:10/30/06			APPROVED: 2/23/89														
		COMMENT:CHANGE TITLE & DESCRIPTION																				
MSE	563	ADVANCED COMPOSITES	SPR/1999 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	MSE 563	M E 563	.
		ADVANCED COMPOSITES: DESIGN AND MANUFACTURING			LAST UPDT: 2/23/99			APPROVED: 2/22/99														
MSE	565	ELECTRON THEORY MTL	AUT/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		ELECTRON THEORY OF MATERIALS			LAST UPDT: 5/26/10			APPROVED: 9/20/84														
		COMMENT:10-12 PREQ CHG																				
MSE	567	ELECTRON PROCESS	SPR/1995 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		ELECTRONIC MATERIALS: PREPARATION & PROPERTIES			LAST UPDT:10/30/06			APPROVED: 4/30/87														
		COMMENT:DROP JT STATUS																				

COLLEGE : J - Engineering
DEPARTMENT: MAT SCI AND 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
MSE	568	ACT/SENSING MATR	AUT/2008 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	M E 568	M E 568	.
		ACTIVE AND SENSING MATERIALS			LAST UPDT: 4/28/08			APPROVED: 4/15/08														
MSE	571	POLYMERIC MATERIALS	AUT/1992 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	BIOEN 571	BIOEN 571	.
		POLYMERIC MATERIALS			LAST UPDT:10/04/94			APPROVED: 5/29/92														
MSE	590	ADV SEM IN MSE	AUT/2000 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		ADVANCED SEMINAR IN MATERIALS SCIENCE AND ENGINEER			LAST UPDT: 3/03/00			APPROVED: 2/25/00														
MSE	593	MATERIALS MATH	SPR/1990 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		MATERIALS MATHEMATICS			LAST UPDT:10/30/06			APPROVED: 2/22/90								DROPPED: 2/22/90						
		COMMENT:TEMPORARY, ARCHIVED																				
MSE	598	ENGR MTLS PROJECT	AUT/1999 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		ENGINEERING MATERIALS PROBLEMS			LAST UPDT: 6/22/99			APPROVED: 6/21/99														
MSE	599	SPEC TPCS MATLS SCI	SUM/1987 - AUT/9999	1.0-05.0	5.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
		SPECIAL TOPICS IN MATERIALS SCIENCE			LAST UPDT:10/30/06			APPROVED: 1/29/87														
MSE	600	INDEPENDENT STUDY	WIN/1989 - AUT/9999	0.0	999.0	.		.	11	.	.	.	.	.	.	.	.	.	.			.
		INDEPENDENT STUDY			LAST UPDT: 4/19/10			APPROVED: 6/09/88														
		COMMENT:WAS CER E 600																				
MSE	700	MASTERS THESIS	AUT/1988 - AUT/9999	0.0	999.0	.		.	11	.	.	.	.	.	.	.	.	.	.			.
		MASTER'S THESIS			LAST UPDT: 4/19/10			APPROVED: 6/09/88														
MSE	800	DOCTORAL DISSERTATN	WIN/1989 - AUT/9999	0.0	999.0	.		.	11	.	.	.	.	.	.	.	.	.	.			.
		DOCTORAL DISSERTATION			LAST UPDT: 4/19/10			APPROVED: 6/09/88														
		COMMENT:WAS CER E 800																				