

DATE: 09-17-2013
TIME: 20:10:05

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,258

COLLEGE : J - Engineering
DEPARTMENT: MAT SCI AND ENGR

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U	D GRD E	S H F U N E	V L I	E E P & N C M S N	W R T	RESPONS COURSE	JOINT COURSES	O M I T
MSE 170	FUNDMNT MATERLS SCI FUNDAMENTALS OF MATERIALS SCIENCE	AUT/2009 - AUT/9999	4.0		.	.	.	.	Y	.			.
					LAST UPDT: 6/24/09		APPROVED: 6/15/99						
COMMENT:CHG PREQ													
MSE 273	INTR MOLC ENG MATS INTRODUCTION TO MOLECULAR ENGINEERING OF INTERFACES AND SURFACES	WIN/2012 - AUT/9999	2.0		.	.	.	.	Y	.			.
					LAST UPDT:11/18/11		APPROVED:10/18/11						
MSE 298	INTRO MODERN MTLS INTRODUCTION TO MODERN MATERIALS	SPR/2005 - AUT/9999	1.0		.	.	.	.	.	.			.
					LAST UPDT: 2/02/05		APPROVED: 1/31/05						
MSE 310	INTRO MSE INTRODUCTION TO MATERIALS SCIENCE AND ENGINEERING	AUT/2002 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT: 8/14/08		APPROVED: 2/22/93						
COMMENT:WAS MSE 300;CHG CRDS,HRS,DESCR													
MSE 311	INTEGRAT JR LAB I INTEGRATED JUNIOR LABORATORY I	AUT/2002 - SUM/2013	2.0		.	.	.	Y	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 2/22/93						
COMMENT:WAS MSE 317;CHG TTLS,HRS,CD					FEE TYPE:1		\$35.00 BUDGET:069332		REV OBJ CD:943081				
MSE 311	INTEGRAT JR LAB I INTEGRATED JUNIOR LABORATORY I	AUT/2013 - AUT/9999	3.0		.	.	.	Y	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 2/22/93						
COMMENT:CHG CREDITS, PREQ					FEE TYPE:1		\$35.00 BUDGET:069332		REV OBJ CD:943081				
MSE 312	INTEGRAT JR LAB II INTEGRATED JUNIOR LABORATORY II	WIN/2003 - AUT/2013	2.0		.	.	.	Y	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 2/22/93						
COMMENT:WAS MSE318;CHG TITLES,CR,DESCR					FEE TYPE:1		\$35.00 BUDGET:069332		REV OBJ CD:943081				
MSE 312	INTEGRAT JR LAB II INTEGRATED JUNIOR LABORATORY II	WIN/2014 - AUT/9999	3.0		.	.	.	Y	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 2/22/93						
COMMENT:CHG CREDITS, PREQ					FEE TYPE:1		\$35.00 BUDGET:069332		REV OBJ CD:943081				
MSE 313	INTEGRAT JR LAB III INTEGRATED JUNIOR LABORATORY III	SPR/2003 - WIN/2014	2.0		.	.	.	Y	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 2/22/93						
COMMENT:WAS MSE 319;CHG TITLE,CR,DESCR					FEE TYPE:1		\$35.00 BUDGET:069332		REV OBJ CD:943081				

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F	V	L I	E E	W	R	RESPONS	JOINT	O
CURRIC	NUM				MAX	P										
MSE	313	INTEGRAT JR LAB III	SPR/2014 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.	.	.
INTEGRATED JUNIOR LABORATORY III				LAST UPDT: 6/05/13 APPROVED: 2/22/93												
COMMENT:CHG DESC, CREDITS				FEE TYPE:1 \$35.00 BUDGET:069332 REV OBJ CD:943081												
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/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
MATERIALS CHARACTERIZATION				LAST UPDT: 6/18/12 APPROVED: 6/24/02												
COMMENT:CHG PREQ																
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																
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												
COMMENT:WAS MSE352;CHG TITLE,DESCR,PRE																
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																

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C Q T M S P R G	RESPONS COURSE	JOINT COURSES	O M I T
MSE 471	POLYMER SCI & ENGR INTRODUCTION TO POLYMER SCIENCE AND ENGINEERING	AUT/2002 - AUT/9999	3.0		.	.	.	.	.	.			.
COMMENT:WAS MSE 433; CHG TTLS,DESCR,HR					LAST UPDT: 8/14/08 APPROVED:12/21/88								
MSE 473	NONCRYSTALLINE STATE NONCRYSTALLINE STATE	SPR/2003 - AUT/9999	4.0		.	.	.	.	.	.			.
COMMENT:WAS CERE 411;CHG TITLE,DES,PRE					LAST UPDT: 8/06/08								
MSE 475	COMPOSITE MATERIALS INTRODUCTION TO COMPOSITE MATERIALS	AUT/2003 - AUT/9999	4.0		.	.	.	.	.	.			.
COMMENT:WAS MSE423;CHG TITLE,DESC,PRER					LAST UPDT: 8/14/08								
MSE 477	HI-TEMP MATERIALS HIGH TEMPERATURE MATERIALS	SPR/2003 - AUT/9999	4.0		.	.	.	.	.	.			.
COMMENT:WAS CERE470;CHG TITLE,DESC,PRE					LAST UPDT: 8/06/08								
MSE 481	NANOSTRUCTURES SCIENCE AND TECHNOLOGY OF NANOSTRUCTURES	WIN/2005 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT:12/23/03 APPROVED:12/22/03								
MSE 482	BIOMATS, TISSUE ENG BIOMATERIALS/NANOMATERIALS IN TISSUE ENGINEERING	WIN/2013 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT:12/19/12 APPROVED:12/18/12								
MSE 483	NANOMEDICINE NANOMEDICINE	SPR/2013 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT:12/19/12 APPROVED:12/18/12								
MSE 484	MATERIALS CHEMISTRY MATERIALS CHEMISTRY	SPR/2006 - AUT/9999	3.0		.	.	.	.	.	Y	CHEM 484	CHEM 484	.
COMMENT:WAS MSE 371					LAST UPDT: 6/10/08 APPROVED: 2/24/06								
MSE 485	ELECTRNC PACKAGING INTRODUCTION TO ELECTRONIC PACKAGING AND MATERIALS	WIN/1997 - AUT/9999	3.0		.	.	.	.	.	.	M E 485	M E 485	.
					LAST UPDT: 6/14/96 APPROVED: 4/29/96								
MSE 486	IC TECHNOLOGY FUNDAMENTALS OF INTEGRATED CIRCUIT TECHNOLOGY	AUT/2012 - AUT/9999	3.0		.	.	.	.	.	.	MSE 486	E E 486	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 5/31/12 APPROVED: 1/03/01								

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MSE 487	ELECT PKG LAB LABORATORY IN ELECTRONIC PACKAGING AND MATERIALS	WIN/2000 - AUT/9999	1.0		.	.	. . Y	.	.	.	M E	487 M E	487 .
					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 DESIGN IN MATERIALS ENGINEERING I	SPR/2007 - AUT/9999	2.0		.	.	. . .	.	.	.			.
					LAST UPDT:10/26/09 COMMENT:CHG TITLES, CREDITS, PREQ								
MSE 492	DESIGN MTLs ENGRG II DESIGN IN MATERIALS ENGINEERING II	SPR/2007 - AUT/9999	2.0		.	.	. . .	.	.	.			.
					LAST UPDT: 1/24/07 APPROVED:12/11/02 COMMENT:CHG CREDITS, DESC								
MSE 497	UNDERGRAD RESEARCH UNDERGRADUATE RESEARCH	SPR/2005 - AUT/9999	1.0-05.0	12.0	.	CR/NC	.	.	.	.			.
					LAST UPDT:12/21/04 APPROVED:12/24/04								
MSE 498	SPECIAL TOPICS SPECIAL TOPICS	WIN/2013 - AUT/9999	1.0-05.0	15.0	Y	.	. . Y	.	.	.			.
					LAST UPDT:12/18/12 APPROVED:11/17/83 FEE TYPE:1 \$50.00 BUDGET:069332 REV OBJ CD:943081								
MSE 499	SPECIAL PROJECT SPECIAL PROJECT	AUT/1992 - AUT/9999	0.0	5.0	Y	.	11	.	.	.			.
					LAST UPDT: 2/24/95 APPROVED:11/19/87 COMMENT:CHANGE DESCRIPTION								
MSE 501	ADV PROC. INORG MAT ADVANCED PROCESSING OF INORGANIC MATERIALS	AUT/1999 - AUT/9999	3.0		.	.	. . .	.	.	.			.
					LAST UPDT:10/30/06 APPROVED:10/27/89 COMMENT:CHANGE TITLE & DESCRIPTION								
MSE 502	SOL-GEL PROCESSING SOL-GEL PROCESSING	AUT/1999 - AUT/9999	3.0		.	.	. . .	.	.	.			.
					LAST UPDT: 2/08/99 APPROVED: 2/03/99								
MSE 504	INTRO TO MEMS INTRODUCTION TO MICROELECTRO MECHANICAL SYSTEMS	AUT/2001 - AUT/9999	4.0		.	.	. . .	.	.	.	E E	502 M E	504 .
					LAST UPDT:10/30/06 APPROVED: 5/21/01 COMMENT:CHANGE JOINT STATUS E E 502								

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MSE 510	BONDING & STRUCTURE BONDING, CRYSTALLOGRAPHY, AND SYMMETRY-RELATED PROPERTIES OF MATERIALS	AUT/2004 - AUT/9999	3.0		.	.		.	.	.	.			.
COMMENT:CHANGE DESC,TITLES					LAST UPDT:12/01/03 APPROVED:10/01/89									
MSE 512	TRANSM ELC MICRSCPY EXPERIMENTAL TRANSMISSION ELECTRON MICROSCOPY	WIN/1990 - AUT/9999	3.0		.	.		.	.	.	.			.
COMMENT:CHG DESC					LAST UPDT:10/30/06 APPROVED: 6/27/85									
MSE 513	TEM LAB TRANSMISSION ELECTRON MICROSCOPY LABORATORY	WIN/1990 - AUT/9999	2.0		.	.		.	.	.	.			.
COMMENT:CHG TITLES, DESC					LAST UPDT:10/30/06 APPROVED: 6/27/85									
MSE 515	ADV TEM ADVANCED TRANSMISSION ELECTRON MICROSCOPY	SPR/1990 - AUT/9999	3.0		.	.		.	.	.	.			.
					LAST UPDT: 0/00/00 APPROVED:10/01/89									
MSE 518	ADVANCED MINERALOGY ADVANCED MINERALOGY	AUT/2009 - AUT/9999	3.0		.	.		.	.	.	.	ESS 537	ESS 537	.
COMMENT:CHG JT STATUS					LAST UPDT: 8/12/09 APPROVED: 3/01/90									
MSE 520	SEMINAR SEMINAR	SPR/1984 - AUT/9999	1.0		6.0	Y	CR/NC	.	.	.	.			.
COMMENT:WAS CER E/MET E 520					LAST UPDT:10/30/06 APPROVED:11/17/83									
MSE 524	APP RATE PHENOMENA APPLIED RATE PHENOMENA	AUT/1977 - AUT/9999	3.0		.	.		.	.	.	.			.
					LAST UPDT:10/30/06 APPROVED: 3/30/77									
MSE 525	KINETICS & PHASE TR KINETICS AND PHASE TRANSFORMATIONS	SPR/2000 - AUT/9999	3.0		.	.		.	.	.	.			.
COMMENT:CHG TITLE & DESCRIPTION					LAST UPDT:10/30/06 APPROVED:10/27/89									
MSE 528	PHYSICS VLSI FAB PHYSICS AND MODELING OF VLSI FABRICATION	AUT/2005 - AUT/9999	4.0		.	.		.	.	.	.	E E 528	E E 528	.
					LAST UPDT: 5/26/05 APPROVED: 5/23/05									

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
MSE 541	DEFECTS IN MATERIALS DEFECTS IN MATERIALS	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT:10/30/06		APPROVED:10/27/89							
COMMENT:CHANGE TITLES AND PREREQS														
MSE 550	MAGNETIC MATERIALS MAGNETISM, MAGNETIC MATERIALS, AND RELATED TECHNOLOGIES	SPR/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT: 5/15/12		APPROVED: 2/26/03							
COMMENT:CHG DESC														
MSE 555	BIOMIMETICS BIOMIMETICS: BIOINSPIRED DESIGN AND PROCESSING OF MATERIALS	SUM/1996 -	AUT/9999	4.0	.	.	.	.	.	.	.			.
					LAST UPDT: 4/23/97		APPROVED: 1/24/96							
MSE 560	ELECT/PHOTONIC MTL ORGANIC ELECTRONIC AND PHOTONIC MATERIALS/POLYMERS	SPR/2005 -	AUT/9999	3.0	.	.	.	.	.	.	.	MSE 560	CHEM 564	.
					LAST UPDT: 8/24/04		APPROVED: 8/20/04							
MSE 562	INTRO ELECTRONC COMP INTRODUCTION TO ELECTRONIC COMPOSITES	SPR/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	M E 562	M E 562	.
					LAST UPDT:10/30/06		APPROVED: 2/23/89							
COMMENT:CHANGE TITLE & DESCRIPTION														
MSE 563	ADVANCED COMPOSITES ADVANCED COMPOSITES: DESIGN AND MANUFACTURING	SPR/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	MSE 563	M E 563	.
					LAST UPDT: 2/23/99		APPROVED: 2/22/99							
MSE 565	ELECTRON THEORY MTL ELECTRON THEORY OF MATERIALS	AUT/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT: 5/26/10		APPROVED: 9/20/84							
COMMENT:10-12 PREQ CHG														
MSE 568	ACT/SENSING MATR ACTIVE AND SENSING MATERIALS	AUT/2008 -	AUT/9999	3.0	.	.	.	.	.	.	.	M E 568	M E 568	.
					LAST UPDT: 4/28/08		APPROVED: 4/15/08							
MSE 571	POLYMERIC MATERIALS POLYMERIC MATERIALS	AUT/1992 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 571	BIOEN 571	.
					LAST UPDT:10/04/94		APPROVED: 5/29/92							
MSE 582	BIOMATS, TISSUE ENG BIOMATERIALS/NANOMATERIALS IN TISSUE ENGINEERING	WIN/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT:12/19/12		APPROVED:12/18/12							

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COURSE	CURRIC	TITLE	EFFECTIVE	QUARTER	-ALL	U	GRD	E	U N E	P & N	C M S	Q T	RESPONS	JOINT	M
NUM			QUARTERS	CREDITS	MAX	P	SYS	D	HYPH	M	R	E	COURSE	COURSES	I
MSE	583	NANOMEDICINE NANOMEDICINE	SPR/2013 - AUT/9999	3.0		.		.	.	.	.	.			.
					LAST UPDT:12/19/12		APPROVED:12/18/12								
MSE	598	ENGR MTLs PROJECT ENGINEERING MATERIALS	AUT/1999 - AUT/9999	4.0		.		.	.	.	.	.			.
					LAST UPDT: 6/22/99		APPROVED: 6/21/99								
MSE	599	SPEC TPCS MATLS SCI SPECIAL TOPICS IN MATERIALS SCIENCE	WIN/2013 - AUT/9999	1.0-05.0	15.0	Y		.	.	.	.	.			.
COMMENT:CHG MAX CREDITS					LAST UPDT:12/18/12		APPROVED: 1/29/87								
MSE	600	INDEPENDENT STUDY INDEPENDENT STUDY OR RESEARCH	WIN/1989 - AUT/9999	0.0	999.0	.		.	11	.	.	.			.
COMMENT:WAS CER E 600					LAST UPDT: 4/19/10		APPROVED: 6/09/88								
MSE	700	MASTERS THESIS MASTER'S THESIS	AUT/1988 - AUT/9999	0.0	999.0	.		.	11	.	.	.			.
					LAST UPDT: 4/19/10		APPROVED: 6/09/88								
MSE	800	DOCTORAL DISSERTATN DOCTORAL DISSERTATION	WIN/1989 - AUT/9999	0.0	999.0	.		.	11	.	.	.			.
COMMENT:WAS CER E 800					LAST UPDT: 4/19/10		APPROVED: 6/09/88								