

DATE: 01-22-2019
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,311

COLLEGE : J - Engineering
 DEPARTMENT: MAT SCI AND ENGR

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	& N	C			
MSE 170	FUNDMNT MATERLS SCI Fundamentals of Materials Science	AUT/2018 - AUT/9999	4.0	Y
				LAST UPDT: 2/22/18		APPROVED: 6/15/99											
MSE 197	STUDIES MATR INNOV Case Studies in Materials Innovation	SPR/2019 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/19/18		APPROVED:12/18/18											
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	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/31/15		APPROVED: 2/22/93											
				COMMENT:WAS MSE 300;CHG CRDS,HRS,DESCR		FEE TYPE:1		\$25.00 BUDGET:069332 REV OBJ CD:943081									
MSE 311	INTEG UNDGRAD LAB 1 Integrated Undergraduate Laboratory I	AUT/2017 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/10/17		APPROVED: 2/22/93											
				FEE TYPE:1		\$45.00 BUDGET:069332 REV OBJ CD:943081											
MSE 312	INTEG UNDGRAD LAB 2 Integrated Undergraduate Laboratory II	AUT/2017 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/10/17		APPROVED: 2/22/93											
				FEE TYPE:1		\$45.00 BUDGET:069332 REV OBJ CD:943081											
MSE 313	INTEG UNDGRAD LAB 3 Integrated Undergraduate Laboratory III	AUT/2017 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/10/17		APPROVED: 2/22/93											
				FEE TYPE:1		\$45.00 BUDGET:069332 REV OBJ CD:943081											
MSE 321	THERM & PHAS EQUIL Thermodynamics and Phase Equilibrium	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/12/14													
				COMMENT:EMAIL PREQ CHG													
MSE 322	KINETIC MICRO EVOL Kinetics and Microstructural Evolution	WIN/2003 - AUT/9999	4.0
				LAST UPDT:10/25/06		APPROVED: 6/24/02											
				COMMENT:WAS MSE315;CHG TITLE,DESC.PRER													

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
MSE 450	MAGNETIC MATERIALS Magnetism, Magnetic Materials, and Related Technologies	SPR/2013 - AUT/9999	3.0
				LAST UPDT: 5/16/12		APPROVED: 5/15/12											
MSE 452	PROPERTIES MTLs II Functional Properties of Materials II	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/06/16		APPROVED: 9/20/79											
MSE 462	MECH BEHAV MTLs II Mechanical Behavior of Materials II	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/06/16		APPROVED: 4/01/75											
MSE 463	CORROSN & WEAR MTLs Corrosion and Wear of Materials	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/06/16		APPROVED: 7/10/69											
MSE 466	ENERGY MAT DEV & SYS Energy Materials, Devices, and Systems	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CHEM 466	CHEM E440	.	.
				LAST UPDT: 5/08/17		APPROVED: 3/21/17											
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	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/06/16													
MSE 475	COMPOSITE MATERIALS Introduction to Composite Materials	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/16/16													
MSE 476	INTRO OPTOELECT MAT Introduction to Optoelectronic Materials	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/28/16		APPROVED:10/18/16											
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											

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
MSE 483	NANOMEDICINE Nanomedicine	SPR/2013 - AUT/9999	3.0
				LAST UPDT:12/19/12		APPROVED:12/18/12											
MSE 484	ELECT &OPTO POLYMERS Electronic and Optoelectronic Polymers	AUT/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	CHEM 484	CHEM 484	484	.
				LAST UPDT:12/17/15		APPROVED: 2/24/06											
MSE 485	ELECTRNC PACKAGING Introduction to Electronic Packaging and Materials	WIN/1997 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	M E 485	M E 485	485	.
				LAST UPDT: 3/22/16		APPROVED: 4/29/96		FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081									
MSE 486	IC TECHNOLOGY Fundamentals of Integrated Circuit Technology	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	MSE 486	E E 486	486	.
				LAST UPDT: 3/16/16		APPROVED: 1/03/01											
MSE 487	ELECT PKG LAB Laboratory in Electronic Packaging and Materials	WIN/2000 - AUT/9999	1.0	.	.	.	.	Y	.	.	.	.	.	M E 487	M E 487	487	.
				LAST UPDT: 7/23/15		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	SENIOR PROJECT Senior Project	AUT/2017 - AUT/9999	0.0	5.0	Y	.	11
				LAST UPDT: 7/06/17		APPROVED:11/19/87											

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				-ALL U	GRD		U N E	P & A	N C M S N	E C Q T	P R G						
MSE 501	ADV PROC. INORG MAT Advanced Processing of Inorganic Materials	AUT/1999 - AUT/9999	3.0	
COMMENT:CHANGE TITLE & DESCRIPTION				LAST UPDT:10/30/06		APPROVED:10/27/89											
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	SPR/2017 - SPR/2019	4.0	.	.	.	.	.	.	.	.	.	E E	504 M E	504	.
				LAST UPDT:12/20/18		APPROVED: 9/20/99		E E		504							
MSE 504	INTRO TO MEMS Introduction to Microelectro Mechanical Systems	SUM/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	E E	504 M E	504	.
				LAST UPDT:12/20/18		APPROVED: 9/20/99		E E		504							
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:10/17/18		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											

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				-ALL U	GRD		U N E	P	N	C	M	S	N	P				R
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:10/21/16		APPROVED: 5/23/05												
MSE 529	SEMICOND OPTOELEC Semiconductor Optoelectronics	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	E E	529	E E	529	.
				LAST UPDT:12/20/15														
MSE 541	DEFECTS IN MATERIALS Defects in Materials	WIN/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE TITLES AND PREREQS			LAST UPDT:10/30/06		APPROVED:10/27/89												
MSE 545	DATA SCI CLEAN ENRG Data Science Methods for Clean Energy Research	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	CHEM E545	CHEM	545	.	.
				LAST UPDT:12/19/18		APPROVED: 4/18/17												
MSE 546	SW ENGR MOL DATA SCI Software Engineering for Molecular Data Scientists	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	CHEM E546	CHEM	546	.	.
				LAST UPDT:12/19/18		APPROVED: 4/18/17												
MSE 550	MAGNETIC MATERIALS Magnetism, Magnetic Materials, and Related Technologies	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC			LAST UPDT: 5/15/12		APPROVED: 2/26/03												
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 MTLs Organic Electronic and Photonic Materials/Polymers	WIN/2016 - AUT/9999	3.0	MSE	560	CHEM	564	.	
				LAST UPDT:10/21/15		APPROVED: 8/20/04												
																MOLENG	530	.

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					-ALL	U		GRD	E	U	N	E	P	&	N			
MSE 598	ENGR MTLs PROJECT Engineering Materials Problems	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	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/18/12		APPROVED: 1/29/87											
					COMMENT:CHG MAX CREDITS													
MSE 600	INDEPENDENT STUDY Independent Study or Research	WIN/1989 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/19/10		APPROVED: 6/09/88											
					COMMENT:WAS CER E 600													
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	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/19/10		APPROVED: 6/09/88											
					COMMENT:WAS CER E 800													