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 DETAILED CURRICULUM REPORT
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COLLEGE : J - Engineering
 DEPARTMENT: MECHANICAL ENGR

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D				S H F				V L E E W				RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U	GRD	D	U	N	E	P	&	N	C	M				S	N
M E 123	VISUALIZATION & CAD INTRODUCTION TO VISUALIZATION AND COMPUTER-AIDED D COMMENT:WAS ENGR 123, CHG DESC, TITLES	AUT/2000 - AUT/9999	4.0
				LAST	UPDT:	10/18/06	APPROVED:	2/25/00										
M E 124	CAD LAB VISUALIZATION AND COMPUTER AIDED DESIGN LABORATORY	AUT/2002 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	1/29/02	APPROVED:	1/28/02										
M E 230	KINEMATICS & DYNS KINEMATICS AND DYNAMICS COMMENT:EMAIL PREQ ALL LEVELS	SUM/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	5/21/10	APPROVED:	3/15/99										
M E 295	PRODUCT DISSECTION PRODUCT DISSECTION	SPR/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	M E 295	IND E 295
				LAST	UPDT:	2/11/08	APPROVED:	12/27/95										
M E 303	METAL MACHINING METAL MACHINING COMMENT:WAS M E 203, CHG CRDT	WIN/1975 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	10/20/06	APPROVED:	6/22/72										
M E 323	ENGR THERMODYNAMICS ENGINEERING THERMODYNAMICS COMMENT:CHANGE TITLES, CR, DESCR, PRERE	AUT/2004 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	10/20/06	APPROVED:	5/06/71										
M E 331	INTRO HEAT TRANSFER INTRODUCTION TO HEAT TRANSFER	WIN/1970 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	12/01/09												
				FEE	TYPE:	1	\$10.00	BUDGET:	069397	REV	OBJ	CD:	943081					
M E 333	INTRO TO FLUID MECH INTRODUCTION TO FLUID MECHANICS COMMENT:CHG PREQ, CORRECTED 6/7/2007	AUT/2008 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	12/01/09	APPROVED:	9/01/71										
				FEE	TYPE:	1	\$10.00	BUDGET:	069397	REV	OBJ	CD:	943081					
M E 341	ENERGY & ENVIRON ENERGY AND ENVIRONMENT COMMENT:CHG PREQ - JT STATUS	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	M E 341	ENVIR 341 CHEM E 341
				LAST	UPDT:	8/12/09	APPROVED:	6/21/99										
M E 354	MECH OF MAT LAB MECHANICS OF MATERIALS LABORATORY COMMENT:CHANGE CREDITS, DESC, PREREQS	AUT/1999 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	7/23/04	APPROVED:	1/24/96										
				FEE	TYPE:	1	\$50.00	BUDGET:	069397	REV	OBJ	CD:	943081					
M E 355	INTRO MFG PROCESS INTRODUCTION TO MANUFACTURING PROCESSES	AUT/1999 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST	UPDT:	7/23/04	APPROVED:	2/03/99										
				FEE	TYPE:	1	\$50.00	BUDGET:	069397	REV	OBJ	CD:	943081					

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				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
M E 356	MACHN DESGN ANLYS MACHINE DESIGN ANALYSIS COMMENT:WAS M E 353; CHG PREQ	AUT/1996 - AUT/9999	4.0	Y
				LAST UPDT:11/29/06			APPROVED: 1/24/96			FEE TYPE:1 \$5.00 BUDGET:069397 REV OBJ CD:943081							
M E 373	INTRO TO SYST DYN INTRODUCTION TO SYSTEM DYNAMICS COMMENT:CHANGE DESCRIPTION	AUT/1996 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06			APPROVED: 5/06/71										
M E 374	SYS DYN ANLYS & DES SYSTEMS DYNAMIC ANALYSIS AND DESIGN COMMENT:CHG PREQ, CORRECTED 6/7/2007	AUT/2008 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/07/07			APPROVED:11/20/75										
M E 395	INTRO MECH DESIGN INTRODUCTION TO MECHANICAL DESIGN COMMENT:EMAIL PREREQ CHANGE	SUM/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/12/10			APPROVED:12/01/85										
M E 401	METL CAST THY & DES METAL CASTING THEORY AND DESIGN	SPR/1970 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/22/09													
M E 403	MATERL-REMOVL PROCS MATERIAL-REMOVAL PROCESSES COMMENT:GENCAT REVIEW PREREQ CHANGE	SPR/2002 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/17/01													
M E 404	THEORY OF WELDING THEORY OF WELDING	WIN/1970 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/22/09													
M E 405	INT PLASTIC FORMING INTRODUCTION TO PLASTIC METAL FORMING	SPR/1980 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06			APPROVED: 6/07/79										
M E 406	CORR&SURF TRT MTRLS CORROSION AND SURFACE TREATMENT OF MATERIALS COMMENT:CHG DESC	WIN/1976 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06													
M E 409	NUM CONTROL & CAM INTRO TO NUMERICAL CONTROL & COMP AIDED MANUFACT COMMENT:GENCAT REVIEW PREREQ CHANGE	SPR/2002 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06			APPROVED: 3/19/87			FEE TYPE:1 \$35.00 BUDGET:069397 REV OBJ CD:943081							
M E 415	DESIGN FOR ENVIR SUSTAINABILITY AND DESIGN FOR ENVIRONMENT COMMENT:CHG JT STATUS	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	M E 415 CEE 495 ENVIR 415	.
				LAST UPDT: 8/12/09			APPROVED: 5/21/01										
M E 424	COMBUSTION SYSTEMS COMBUSTION SYSTEMS AND POLLUTANT FORMATION COMMENT:CHANGE DESCRIPTION	AUT/1997 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06			APPROVED:11/20/80			FEE TYPE:1 \$30.00 BUDGET:069397 REV OBJ CD:943081							

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				-ALL	U		GRD	E	U	N	E	P	&	N			
M E 425	HVAC HVAC ENGINEERING COMMENT:CHANGE TITLES, DESCRIP	SPR/2000 - AUT/9999	4.0	Y
				LAST UPDT:10/20/06 FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081													
M E 426	ENERGY DESIGN SUSTAINABLE ENERGY DESIGN COMMENT:CHG PREQ PER 08-10 UPDATE	AUT/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 428	NOISE CONTROL NOISE CONTROL	WIN/1974 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 430	ENERGY CONVERSION ADVANCED AND RENEWABLE ENERGY CONVERSION COMMENT:CHANGE DESCRP, PREREQUISITES	SPR/1998 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 431	ADV FL MECH ADVANCED FLUID MECHANICS	WIN/1987 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 432	GAS DYNAMICS GAS DYNAMICS COMMENT:CHG TITLES	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 433	TURBOMACHINERY TURBOMACHINERY COMMENT:CHANGE PREREQ, DESCRIP	SPR/1998 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 434	ADV MECH ENGR LAB ADVANCED MECHANICAL ENGINEERING LABORATORY COMMENT:CHG DESC	SPR/1980 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 436	FRICTION AND WEAR FRICTION AND WEAR OF MATERIALS COMMENT:CHANGE DESCRIPTION	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 440	ADV MECH OF MATLS ADVANCED MECHANICS OF MATERIALS AND SOLIDS	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 442	RENEWABLE ENERGY RENEWABLE ENERGY COMMENT:CHG PREQ - JT STATUS	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	M E 442 ENVIR 442 CHEM E 442
M E 445	INTRO TO BIOMECH INTRODUCTION TO BIOMECHANICS COMMENT:CHG TITLES, CREDITS, COURSE DE	SPR/2001 - AUT/9999	4.0	BIOEN 440 BIOEN 440

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				-ALL	U	GRD	E	U	N	E	P	& N	C	M	S			
M E 480	CAD TECHNOLOGY INTRODUCTION TO COMPUTER-AIDED TECHNOLOGY COMMENT:EMAIL PREQ CHG	SPR/2010 - AUT/9999	4.0	.	.	.	Y
				LAST UPDT: 2/09/10				APPROVED: 5/24/84				FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081						
M E 481	ENGINES COMBUSTION ENGINES AND ALTERNATIVES COMMENT:CHG TITLES, CREDITS, PREQ, DES	SPR/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06														
M E 485	ELECTRNC PACKAGING INTRODUCTION TO ELECTRONIC PACKAGING AND MATERIALS	WIN/1997 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.	.	M E 485 MSE	485	.	
				LAST UPDT: 7/23/04				APPROVED: 4/29/96				FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081						
M E 487	ELECT PKG LAB LABORATORY IN ELECTRONIC PACKAGING AND MATERIALS	WIN/2000 - AUT/9999	1.0	.	.	.	Y	.	.	.	.	.	.	.	M E 487 MSE	487	.	
				LAST UPDT: 7/23/04				APPROVED: 2/03/99				FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081						
M E 490	NAVAL ARCHITECTURE NAVAL ARCHITECTURE	WIN/1988 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/18/99				APPROVED:12/01/87										
M E 491	NAVAL ARCHITECTURE NAVAL ARCHITECTURE COMMENT:DROP JT	WIN/1988 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06														
M E 492	NAVAL ARCHITECTURE NAVAL ARCHITECTURE COMMENT:DROP JT	WIN/1988 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06														
M E 495	MECH ENGR DESIGN MECHANICAL ENGINEERING DESIGN COMMENT:CHG CREDITS, PREQS	AUT/1986 - AUT/9999	4.0	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06				APPROVED: 5/06/71				FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081						
M E 496	TECH-BASED ENTREPRE TECHNOLOGY BASED ENTREPRENEUSHIP	AUT/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	IND E 496	IND E 496	.	
				LAST UPDT: 1/31/96				APPROVED: 1/24/96										
M E 498	SPEC TPCS MECH ENGR SPECIAL TOPICS IN MECHANICAL ENGINEERING	AUT/1972 - AUT/9999	1.0-05.0	6.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06				APPROVED: 4/27/72				FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081						
M E 499	SPECIAL PROJECTS SPECIAL PROJECTS COMMENT:CHG MAX CREDITS	AUT/2004 - AUT/9999	2.0-05.0	6.0	Y	
				LAST UPDT: 7/23/04								FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081						

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					-ALL	U		GRD	E	U	N	E	P	&	N			
M E	501	MFG PROCESSES MODERN MANUFACTURING PROCESSES	AUT/1999 - AUT/9999	3.0
					LAST UPDT: 2/08/99		APPROVED: 2/03/99											
M E	502	PLAST AND MET FORM PLASTICITY AND METAL FORMING COMMENT:CHG TITLES, PREQ	SPR/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/23/06													
M E	503	CONTINUUM MECH CONTINUUM MECHANICS COMMENT:ADD JT WITH A A 503	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	A A	503 A A	503	.
					LAST UPDT: 4/20/09		APPROVED: 4/21/09											
M E	504	INTRO TO MEMS INTRODUCTION TO MICROELECTRIC MECHANICAL SYSTEMS COMMENT:CHANGE JOINT STATUS	AUT/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	E E	502 E E	502	.
					LAST UPDT: 5/22/01		APPROVED: 9/20/99							MSE 504				
M E	505	CIM SYSTEMS COMPUTER INTEGRATED MANUFACTURING SYSTEMS COMMENT:CHG: ADD JOINT COURSE	WIN/2003 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	IND E	531 IND E	531	.
					LAST UPDT: 8/26/02		APPROVED: 6/28/93											
M E	507	FLUID MECHANICS FLUID MECHANICS	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	A A	507 A A	507	.
					LAST UPDT: 8/25/10		APPROVED: 8/24/10											
M E	508	MEASUREMENT SYSTEMS THEORY AND DESIGN FOR MECHANICAL MEASUREMENTS	WIN/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/24/04		APPROVED:11/23/04											
M E	510	MATH FOUND SYST THR MATHEMATICAL FOUNDATIONS OF SYSTEM THEORY COMMENT: CHG JOINT AA NUMBER	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	E E	510 A A	510	.
					LAST UPDT: 3/28/05		APPROVED:10/24/91							E E 510 CHEM E 510				
M E	515	LIFE CYCLE ASSESS LIFE CYCLE ASSESSMENT	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/19/08		APPROVED: 3/18/08											
M E	518	SEMINAR IN MFG MGMT SEMINARS IN MANUFACTURING AND MANAGEMENT COMMENT:CHANGE TITLE CRDTS DESC P HYPH	AUT/1999 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	M E	518 IND E	518	.
					LAST UPDT:10/23/06													
M E	519	SEMINAR SEMINAR COMMENT:DROPPED 518 FROM HYPHEN SERIES	AUT/1999 - AUT/9999	0.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/23/06		. CR/NC . 12											
M E	520	SEMINAR SEMINAR COMMENT:DROPPED 518 FROM HYPHEN SERIES	AUT/1999 - AUT/9999	1.0
					LAST UPDT:10/23/06		6.0 Y CR/NC . 22											

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				-ALL	U		GRD	E	U	N	E	P	&	N			
M E 585	SYS ID & ADAPT CTRL SYSTEM IDENTIFICATION AND ADAPTIVE CONTROL	AUT/2005 - AUT/9999	3.0	E E	585 A A E E 585	.
M E 588	DYNMCS AND VIBR DYNAMICS AND VIBRATIONS COMMENT:WAS M E 568, CHG TITLES	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 589	VIBRATIONS VIBRATIONS COMMENT:CHG TITLES, DESC	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 590	VIBRATIONS VIBRATIONS COMMENT:CHG TITLES	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 591	ROBOT & CONTR COLL ROBOTICS AND CONTROL SYSTEMS COLLOQUIUM COMMENT:CHG TITLES	AUT/1996 - AUT/9999	1.0	3.0	Y	CR/NC	.	.	.	.	.	.	.	.	A A	591 A A CHEM E 591 E E 591	.
M E 593	FEEDFORWARD CONTROL FEEDFORWARD CONTROL	SPR/2006 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	M E	593 A A E E 593	.
M E 594	ROBUST CONTROL ROBUST CONTROL COMMENT:CHG PREQ	WIN/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	A A	594 A A E E 594	.
M E 597	NETWORKED DYN SYS NETWORKED DYNAMICS SYSTEMS	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	A A	597 A A E E 597	.
M E 598	TOPICS IN RESEARCH TOPICS IN RESEARCH COMMENT:CHG GRADING	SPR/1977 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 599	SPECIAL PROJECTS SPECIAL PROJECTS	SUM/1976 - AUT/9999	1.0-05.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
M E 600	INDEPN DNT STDY/RSCH INDEPENDENT STUDY OR RESEARCH	SUM/1971 - AUT/9999	0.0	999.0
M E 700	MASTERS THESIS MASTERS THESIS	WIN/1970 - AUT/9999	0.0	999.0

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					-ALL	U		GRD	E	U		N	E	L				I	E	C	Q	T	M
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	I	T
M E	800	DOCTORAL DISSERTATN	SUM/1976 - AUT/9999	0.0	999.0	.	.	11
		DOCTORAL DISSERTATION																					

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					-ALL	U		GRD	E	U		N	E	P				&	N	C	M	S
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	T
MEIE 516	ADV ENGR STAT ADVANCED TOPICS IN ENGINEERING STATISTICS COMMENT:WAS M E 516	SPR/1980 -	AUT/9999	3.0
					LAST UPDT:10/18/06		APPROVED:11/18/79															
MEIE 599	SPECIAL PROJECT I E SPECIAL PROJECTS IN INDUSTRIAL ENGINEERING COMMENT:RETURN FROM IND E 599	AUT/1999 -	AUT/9999	1.0-05.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/11/97		APPROVED: 6/28/93															