

DATE: 10-10-2016  
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
 DETAILED CURRICULUM REPORT  
 Seattle CAMPUS

REPORT: SR21010-R-01 K  
 PAGE: 1,158

COLLEGE : J - Engineering  
 DEPARTMENT: AERONAUTICAL & ASTRO

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 M S N	A S W T P R G						
A A	101 AIR/SPACE VEHICLES AIR AND SPACE VEHICLES	AUT/1997 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 2/11/16 APPROVED: 2/14/97 FEE TYPE:1 \$25.00 BUDGET:069310 REV OBJ CD:943081													
A A	198 SPECIAL TOPICS Special Topics in Aeronautics and Astronautics	SUM/2009 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 4/21/09 APPROVED: 4/21/09													
A A	210 ENGR STATICS Engineering Statics	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:12/05/12 APPROVED: 3/15/99 COMMENT:EMAIL PREQ CHG													
A A	260 THERMODYNAMICS Thermodynamics	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:12/05/12 APPROVED: 2/23/96 COMMENT:EMAIL PREQ CHG													
A A	299 UNDERGRAD RESEARCH Undergraduate Research	WIN/2007 - AUT/9999	1.0-05.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/14/06 APPROVED:11/14/06													
A A	301 COMP AERODYNAMICS Compressible Aerodynamics	SUM/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/05/13 COMMENT:CHG DESC, PREQ													
A A	302 INCOMP AERODYNAMICS Incompressible Aerodynamics	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/05/13 COMMENT:EMAIL PREQ CHG													
A A	310 ORB SPACE FLIGHT Orbital and Space Flight Mechanics	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/28/00 APPROVED: 5/06/71 COMMENT:CD PROOF PREREQ CHANGE													
A A	311 ATM FLIGHT MECH Atmospheric Flight Mechanics	AUT/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/25/16 APPROVED: 6/03/71													







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 PAGE: 1,162

COLLEGE : J - Engineering  
 DEPARTMENT: AERONAUTICAL & ASTRO

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 M S N	A S W T P R G						
A A	440 FLIGHT MECH I Flight Mechanics I	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 8/11/16																	
A A	441 FLIGHT TEST ENGR Flight Test Engineering	AUT/2010 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
COMMENT:10-12 PREQ CHG FEE TYPE:1 \$45.00 BUDGET:069310 REV OBJ CD:943081																	
A A	447 CONT IN AEROSP Control in Aerospace Systems	SUM/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 6/05/13																	
COMMENT:CHG DESC																	
A A	448 CTRL SYS SEN & ACT Control Systems Sensors and Actuators	WIN/2014 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
LAST UPDT: 6/05/13 APPROVED:12/06/93																	
COMMENT:DROP JT STATUS, CHG PREQ, DESC FEE TYPE:1 \$45.00 BUDGET:069330 REV OBJ CD:943081																	
A A	449 SPCL TOPIC IN CNTRL Special Topics in Controls	SPR/2013 - AUT/9999	3.0-05.0	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 1/16/13 APPROVED: 1/15/13																	
A A	461 ADV AIRBREATH PROPL Advanced Air Breathing Propulsion	SUM/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 6/05/13																	
COMMENT:CHG DESC																	
A A	462 ROCKET PROPULSION Rocket Propulsion	SUM/2011 - AUT/2016	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 8/11/16 APPROVED:10/27/89																	
COMMENT:CHG DESC																	
A A	462 ROCKET PROPULSION Rocket Propulsion	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 8/11/16 APPROVED:10/27/89																	
A A	470 SYSTEMS ENGINEERING Systems Engineering	AUT/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	IND E 470	IND E 470	.
LAST UPDT: 6/26/07 APPROVED: 6/01/99																	
COMMENT:WAS A A 280, CHG TLS, PRQ,DESC																	









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COLLEGE : J - Engineering  
 DEPARTMENT: AERONAUTICAL & ASTRO

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		U N E	P	& N C M S N	A S W T P R G							
A A	529 SPACE PROPULSION Space Propulsion	AUT/1972 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/03/97 APPROVED: 9/18/69																	
A A	530 MECHANICS OF SOLIDS Mechanics of Solids	AUT/1989 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/03/97																	
COMMENT:CHANGE DESCRIPTION																	
A A	531 INTEG MET STRUCT Integrity of Metallic Aircraft Structures	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/20/09																	
COMMENT:CHG TITLES, DESC																	
A A	532 MECH COMP MATERIALS Mechanics of Composite Materials	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:12/08/11																	
COMMENT:EMAIL PREQ CHG																	
A A	533 MTRLS &PROCESS TECH Materials and Processing Technology of Aerospace Composites	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:12/08/11 APPROVED: 1/18/11																	
COMMENT:EMAIL PREQ CHG																	
A A	534 COMPOSITE STRUCT Integrity of Composite Aircraft Structures	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:12/08/11 APPROVED: 9/15/09																	
COMMENT:EMAIL PREQ CHG																	
A A	535 ADV COMPOSITE STRUC Advanced Composite Structural Analysis	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	A A	535 M E	500 .
LAST UPDT: 2/29/12 APPROVED: 2/28/12																	
A A	538 STRUCTURAL OPTIM Introduction to Structural Optimization	SUM/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 5/21/08 APPROVED: 5/20/08																	
A A	540 FINITE ELM ANLYS I Finite Element Analysis I	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/03/97																	
COMMENT:CHANGE DESCRIPTION																	

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 DEPARTMENT: AERONAUTICAL & ASTRO

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		U	GRD	E	U	N	E	P	& N			
A A	541 FINITE ELM ANLYS II Finite Element Analysis II	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE DESCRIPTION																
A A	543 CFD Computational Fluid Dynamics	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, DESC																
A A	544 TURBULENCE MODELING Turbulence Modeling and Simulation	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, DESC, PREQ																
A A	545 COMP MTHDS PLASMAS Computational Methods for Plasmas	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
A A	546 ADV TPCS CTRL SYST Advanced Topics in Control System Theory	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
A A	547 LINEAR SYSTEMS Linear Systems Theory	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	E E	547 E E	547	.
	COMMENT:CHG JOINT #S,PREREQ														M E	547	
A A	548 LIN MULTVAR CONTROL Linear Multivariable Control	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	548 M E	548	.
	COMMENT: CHG PREREQ														E E	548	
A A	549 ST EST & KALMAN FLTR Estimation and System Identification	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	549 M E	549	.
	COMMENT:EMAIL PREQ CHG														E E	549	
A A	550 NONLIN OPT CONTROL Nonlinear Optimal Control	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	550 E E	550	.
	COMMENT:14-16 PREQ CHG														M E	550	



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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 M S N	A S W T P R G	A A	E E	E E				
A A 564	KIN THRY RADIAT TR Kinetic Theory/Radiative Transfer	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.		
	COMMENT:WAS A A 503			LAST UPDT: 4/20/09												
A A 565	FUSION REACTOR FNDM Fusion Reactor Fundamentals	WIN/1993 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.		
	COMMENT:WAS NUC E 565			LAST UPDT:10/02/06 APPROVED: 3/29/93												
A A 570	MANIFOLDS AND GEOM Manifolds and Geometry for Systems and Control	AUT/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	A A	570 E E	570 .		
				LAST UPDT: 4/05/07 APPROVED: 2/21/07										M E	570	
A A 571	PRIN OF DYNAM I Principles of Dynamics I	AUT/1969 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.		
				LAST UPDT: 0/00/00												
A A 578	CONVEX OPTIMIZATION Convex Optimization	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	A A	578 E E	578 .		
				LAST UPDT: 2/26/16 APPROVED: 3/29/05										M E	578	
A A 580	GEOMETRIC METHODS Geometric Methods for Non-Linear Control Systems	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	A A	580 E E	580 .		
				LAST UPDT: 2/25/16 APPROVED: 2/21/07										M E	580	
A A 581	DIGITAL CONTROL Digital Control	SPR/2016 - AUT/2016	3.0	.	.	.	Y	.	.	.	.	M E	581 E E	581 .		
				LAST UPDT: 6/13/16 APPROVED: 4/29/96										M E	581	
				FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081												
A A 581	DIGITAL CONTROL SYS Digital Control System Design	WIN/2017 - AUT/9999	4.0	.	.	.	Y	.	.	.	.	M E	581 E E	581 .		
				LAST UPDT: 6/13/16 APPROVED: 4/29/96										M E	581	
				FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081												
A A 582	DISCRETE EVENT SYS Introduction to Discrete Event Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	M E	582 E E	582 .		
	COMMENT:CHG TITLES, DESCRIP, PREREQ			LAST UPDT: 3/22/16 APPROVED: 4/29/96										M E	582	
A A 583	NONLINEAR CONTR SYS Nonlinear Control Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	E E	583 M E	583 .		
				LAST UPDT: 3/21/16										E E	583	
	COMMENT:CHANGED JOINT STATUS-NEW A A															





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COLLEGE : J - Engineering  
 DEPARTMENT: AERONAUTICAL & ASTRO

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 M S N	A S W T P R G						
A E	501 ANALYTICAL METHODS Analytical Methods for Aerospace Engineering	AUT/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/06/13		APPROVED: 6/04/13											
A E	510 LINEAR SYSTEMS Linear Systems Theory	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/14		APPROVED:11/18/14											
A E	511 CLASSICAL CONTROL Classical Control Theory	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/14		APPROVED:11/18/14											
A E	512 STABILITY & CONTROL Dynamics, Stability, and Control of Vehicles	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/14		APPROVED:11/18/14											
A E	519 AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls	AUT/2014 - AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/14		APPROVED:11/18/14											
A E	520 FUND FLUID DYNAMICS Fundamentals of Fluid Dynamics	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/08/15		APPROVED:11/18/14											
A E	523 AIRCRAFT NOISE Aircraft Noise	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	529 AE TOPICS: FLUIDS Special Topics in Aerospace Engineering: Fluids	AUT/2014 - AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	532 ROCKET PROPULSION Rocket Propulsion	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	539 AE TOPICS: P/P/P Special Topics in Aerospace Engineering: Propulsion, Plasma, and Power	AUT/2014 - AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	540 MECHANICS OF SOLIDS Mechanics of Solids	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/21/14		APPROVED:11/18/14											

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 DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O
					-ALL	U		GRD	E	U	N	E	P	&	N			
A E	541 FINITE ELM ANALYSIS Finite Element Analysis	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	542 FATIGUE & FRACTURE Fatigue and Fracture in Aerospace Structures	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	549 AE TOPICS: STRUC Special Topics in Aerospace Engineering: Structures	AUT/2014 -	AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	550 MECH OF COMPOSITES Mechanics of Composite Materials	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	553 ADV COMPOSITE STRUC Advanced Composite Structural Analysis	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	559 AE TOPICS: COMPSTS Special Topics in Aerospace Engineering: Composites	AUT/2014 -	AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/21/14		APPROVED:11/18/14											
A E	598 AERO ENG COLLOQUIUM Aerospace Engineering Colloquium	AUT/2013 -	AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/15/14		APPROVED: 6/04/13											



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COLLEGE : J - Engineering  
 DEPARTMENT: CHEMICAL ENGR

COURSE CURRIC NUM	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 MAX	U P		GRD SYS	E D	H M	F R	E E	P A	& S	N W			
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													



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COLLEGE : J - Engineering  
 DEPARTMENT: CHEMICAL 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	&			
CHEM E 450	SLD MTL& CHEM PROC SOLID STATE MATERIALS AND CHEMICAL PROCESSES	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:12-14 DESC, PREQ CHG															
CHEM E 455	SURF COLL SCI LAB Surface and Colloid Science Laboratory	WIN/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, PREQ, DESC															
CHEM E 456	QUANT MECH CHEM E Quantum Mechanics for Chemical Engineers	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
CHEM E 457	PRIN MOLECULAR ENGR Principles of Molecular Engineering	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
CHEM E 458	SURFACE ANALYSIS Surface Analysis	WIN/1989 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 492	BIOEN 492	.
CHEM E 460	POLYCHEM LAB Polymer chemistry Laboratory	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
CHEM E 461	ELECTROCHEMICAL ENG Electrochemical Engineering	WIN/1993 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
CHEM E 465	REACTOR DESIGN Reactor Design	WIN/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC															
CHEM E 467	BIOCHEMICAL ENGRING Biochemical Engineering	WIN/1988 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CHEM E467	BIOEN 467	.
CHEM E 468	AIR P CONT DESIGN AIR POLUTION CONTROL EQUIPMENT DESIGN	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CEE 494	CEE 494	.
															M E 468	.



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COLLEGE : J - Engineering  
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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	V L E E W L I E C Q T P & N C M S N A S W T P R G											RESPONS COURSE	JOINT COURSES	O M I T								
				OVER D -ALL U MAX	D GRD P	D E SYS	S H F U N E M R E	S H Y P H	F M R E	P A	N S	C W	M T	S P				N R G							
CHEM E 497	DESIGN SPEC PROJ Special Projects in Chemical Engineering Design	SPR/1998 - AUT/9999	1.0-06.0	12.0 .	.	11 . . .	.	.	.	.	.	.	.	.	.		.								
				LAST UPDT: 4/24/98											APPROVED: 3/31/98										
CHEM E 498	SPECIAL TOPICS Special Topics in Chemical Engineering	WIN/1980 - AUT/9999	1.0-04.0	12.0 Y	.	.	.	.	.	.	.	.	.	.	.		.								
				LAST UPDT:10/02/06											APPROVED: 6/07/79										
				COMMENT:RICHLAND ADDED 01-24-1980																					
CHEM E 499	UNDERGRAD RESEARCH Undergraduate Research	SPR/1988 - AUT/9999	1.0-06.0	12.0 Y	.	11 . . .	.	.	.	.	.	.	.	.	.		.								
				LAST UPDT:10/02/06																					
				COMMENT:CHG PREQS																					
CHEM E 510	MATH FOUND SYST THR Mathematical Foundations of Systems Theory	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	E E	510 A A	510 .								
				LAST UPDT: 7/31/14											APPROVED:10/24/91										
				COMMENT:14-16 PREQ CHG											E E 510 M E 510										
CHEM E 511	BIOMATERIAL SEMINAR Biomaterials Seminar	SPR/2010 - AUT/9999	1.0	18.0 .	CR/NC .	.	.	.	.	.	.	.	.	.	BIOEN	511 BIOEN	511 .								
				LAST UPDT: 3/21/16											APPROVED: 1/24/85										
				COMMENT:CHG MAX CREDITS																					
CHEM E 512	METH OF ENGR ANALYS Methods of Engineering Analysis	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	CHEM E512	AMATH	512 .								
				LAST UPDT: 7/23/12											APPROVED: 5/14/97										
				COMMENT:12-14 PREQ CHG																					
CHEM E 514	ADV CHEME LAB Advanced Chemical Engineering Laboratory	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.								
				LAST UPDT:12/17/14											APPROVED:12/16/14										
CHEM E 515	EXPERIMENTL METHODS Experimental Methods in Chemical Engineering Research	AUT/2003 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.								
				LAST UPDT: 6/26/03											APPROVED: 6/25/03										
CHEM E 523	SMNR IN CHEM ENGR Seminar in Chemical Engineering	AUT/1984 - AUT/9999	0.0-01.0	30.0 .	CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.								
				LAST UPDT: 5/02/13											APPROVED: 5/23/69										
				COMMENT:CHG CREDITS, 5/2013 RETRO MAX																					





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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		U N E	P	I	E	C	Q	T	A			
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, CREDITS			LAST UPDT:12/11/12		APPROVED: 5/23/63											
CHEM E 580	TOPICS CH E DESIGN Topics in Chemical Engineering Design	AUT/2012 - AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:12-14 DESC CHG			LAST UPDT: 9/17/12		APPROVED: 3/28/74											
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CONVERSION OF TEMP COURSE			LAST UPDT: 6/26/03		APPROVED: 6/25/03											
CHEM E 588	RES APPL MICROBIOL Research in Applied Microbiology	AUT/1997 - AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	CHEM E588 MICROM588	.
	COMMENT:5/2013 RETRO MAX			LAST UPDT: 5/02/13		APPROVED: 4/15/97											
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	.
	COMMENT:5/2013 RETRO MAX			LAST UPDT: 5/16/13		APPROVED:10/27/93											
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											
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													



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CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F		V	E E W						RESPONS	JOINT	O	
					MAX	P		GRD	E		U	N	E	P	N	C				M
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										



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				-ALL	U	GRD	E	U	N	E	P	&	N	C	M			
CEE 100	CIV & ENVIR ENGR Twenty-First Century Civil and Environmental Engineering	WIN/2007 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:11/14/06				APPROVED:11/14/06										
CEE 220	INTRO MECH OF MATLS Introduction to Mechanics of Materials	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 7/10/12				APPROVED:12/01/99				COMMENT:12-14 PREQ & DESC CHG						
CEE 250	ENVIRON PROCESSES Environmental Processes and flows	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 9/06/12				APPROVED: 1/20/09				COMMENT:CHG TTLS, DESC, CREDITS, PREQ						
CEE 291	AUTOCAD Introduction to AutoCAD for Civil Engineers	SUM/2015 - AUT/2018	2.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 3/23/16				APPROVED: 2/17/15				COMMENT:CONVERSION; INITIAL DL						
CEE 291	AUTOCAD Introduction to AutoCAD for Civil Engineers	WIN/2019 - AUT/9999	2.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 2/19/15				APPROVED: 2/17/15				COMMENT:END INITIAL DL						
CEE 297	FOREIGN STUDY Foreign Study	SPR/2011 - AUT/9999	3.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:12/21/10				APPROVED:12/21/10										
CEE 298	SPEICAL TOPICS Special Topics in Civil and Environmental Engineering	AUT/2012 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 5/16/12				APPROVED: 5/15/12										
CEE 299	INDEPENDENT PROJECT Independent Project	SPR/2011 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:12/21/10				APPROVED:12/21/10										
CEE 306	CONSTRUCT ENGR I CONSTRUCTION ENGINEERING I	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	
				LAST UPDT: 2/07/14				APPROVED:12/01/99				COMMENT:CHANGE DESCRIPTION						
				FEE TYPE:1				\$25.00 BUDGET:069327				REV OBJ CD:943081						
CEE 307	CONSTRUCTION ENGR Construction Engineering	AUT/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 7/23/14				APPROVED: 6/19/12				COMMENT:14-16 PREQ CHG						





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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			
CEE 377	INTRO STRUCT DESIGN Introduction to Structural Design	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/20/12		APPROVED: 6/19/12											
CEE 379	ELEM STRUC I ELEMENTARY STRUCTURES I	AUT/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PREQ CHG PER 08-10 UPDATE			LAST UPDT: 2/07/14		APPROVED:12/01/99											
CEE 380	ELEM STRUCT II ELEMENTARY STRUCTURES II	SPR/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREREQ CHG			LAST UPDT: 2/07/14		APPROVED:12/01/99											
CEE 390	CIVIL ENGR SYSTEMS CIVIL ENGINEERING SYSTEMS	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/14		APPROVED:12/01/99											
CEE 391	COMPUTER-AIDED DES GRAPHICS COMMUNICATION AND COMPUTER-AIDED DESIGN	AUT/2010 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	COMMENT:10-12 PREQ CHG			LAST UPDT: 2/07/14		APPROVED: 7/13/05		FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081									
CEE 392	BASIC CEE COMPUTING BASIC CIVIL ENGINEERING COMPUTING	AUT/2008 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PREQ CHG PER 08-10 UPDATE			LAST UPDT: 2/07/14		APPROVED: 8/24/05											
CEE 404	INFRASTRUCTURE CONS Infrastructure Construction	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 DESC CHG			LAST UPDT: 7/23/14		APPROVED: 1/25/06											
CEE 409	ENGR ROME: STDY ABRD Engineering Rome: Study Abroad	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, HYPHEN			LAST UPDT:12/16/14		APPROVED: 5/15/12											
CEE 410	TRAFFIC ENGR FUND Traffic Engineering Fundamentals	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/13		APPROVED:12/01/99											







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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D			D			S H F			V L			RESPONS COURSE	JOINT COURSES	O M I T	
				-ALL U	GRD	E	U N E	H Y P H	M R E	P & A	N C M S N	E C Q T							
CEE 440	PROF PRAC STUDIO Professional Practice Studio	AUT/2005 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:10/05/06				APPROVED:12/01/99											
				COMMENT:CHANGE TITLES															
CEE 441	TRANS CONST CPSTONE Transportation and Construction Capstone Design Project	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:11/19/14				APPROVED:12/01/99											
				COMMENT:CHG CREDITS															
CEE 442	STRUCT GEO CAPSTONE Structural Geotechnical Capstone Design Project	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:10/24/14				APPROVED:12/01/99											
				COMMENT:EMAIL PREQ CHG															
CEE 444	HYDRAULIC CAPSTONE Water Resources and Hydraulic Engineering Capstone Design Project	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 2/07/13				APPROVED:12/01/99											
				COMMENT:CHG CREDITS, 2/7/13 EMAIL PREQ															
CEE 445	ENV ENG DES CAPSTONE Environmental Engineering Capstone Design Project	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 2/07/13				APPROVED:12/20/99											
				COMMENT:CHG CREDITS, 2/7/13 EMAIL PREQ															
CEE 451	DES MET STRUC Design of Metal Structures	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 7/23/14				APPROVED:12/01/99											
				COMMENT:14-16 PREQ CHG															
CEE 452	DES REINF CONCR STR Design of Reinforced Concrete Structures	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	
				LAST UPDT: 6/29/15				APPROVED:12/01/99											
				FEE TYPE:1 \$105.00 BUDGET:069644 REV OBJ CD:943081															
				COMMENT:14-16 PREQ CHG															
CEE 453	PRESTRESSED CON DES Prestressed Concrete Design	WIN/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 7/24/07				APPROVED:12/06/91											
				COMMENT:EMAIL PREREQ CHANGE															
CEE 454	DSGN TIMBER STRUCTS Design of Timber Structures	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 2/07/13				APPROVED:12/06/91											
				COMMENT:EMAIL PREQ CHG															

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				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D				HYPH	M	R	E
CEE 455	STRUCT UNIT MASONRY Structural Unit Masonry	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	CEE 455	ARCH 426	.			
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 4/04/13 APPROVED:12/01/99																
CEE 456	STRUCT ANALYSIS Structural Analysis	SPR/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.			.			
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/13 APPROVED: 6/19/12																
CEE 457	ADV STRUCT I Advanced Structures I	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.			
	COMMENT:14-16 DESC, PREQ CHG			LAST UPDT: 7/23/14 APPROVED:12/01/99																
CEE 458	ADV STRUCT II Advanced Structures II	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.			
	COMMENT:12-14 PREQ CHG			LAST UPDT: 7/10/12 APPROVED:12/01/99																
CEE 459	ADV STRUCT MECH Advanced Structural Mechanics	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.			
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 5/16/13 APPROVED:12/01/99																
CEE 462	APPLIED LIMNOLOGY Applied Limnology and Pollutant Effects on Freshwater	SPR/2008 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.			.			
	COMMENT:CHG ABBR TITLE, CREDITS			LAST UPDT: 7/23/15 APPROVED:12/01/99 FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081																
CEE 463	LIMNOLOGY LAB Limnology Laboratory	SPR/2010 - AUT/9999	2.0	.	.	.	.	Y	.	Y	.	.	.	.	FISH 474	BIOL 474	.			
	COMMENT:MOVE JT COLLEGE			LAST UPDT: 3/22/16 APPROVED: 3/29/05 FEE TYPE:1 \$125.00 BUDGET:069602 REV OBJ CD:943081																
CEE 472	HYDR IN WATER RSRCS Introduction to Hydraulics in Water Resources	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.			
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 5/16/13 APPROVED:12/01/99																
CEE 473	COASTAL ENGRNG I Coastal Engineering I	AUT/2014 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.			.			
	COMMENT:14-16 DESC CHG			LAST UPDT: 7/23/14 APPROVED:12/01/99 FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081																

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CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D D S H F V L E E W -ALL U GRD E U N E P & N C M S N MAX P SYS D HYPH M R E A S W T P R G								RESPONS COURSE	JOINT COURSES	O M I T			
					RESPONS COURSE	JOINT COURSES	O M I T											
CEE	474	SEDIMENT TRANSPORT Hydraulics of Sediment Transport	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG	LAST UPDT: 2/07/13 APPROVED:12/01/99													
CEE	475	GROUNDWATER FLOW Analysis Techniques for Groundwater Flow	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:14-16 DESC	LAST UPDT: 7/23/14 APPROVED:12/01/99													
CEE	476	PHYSICAL HYDROLOGY Physical Hydrology	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG	LAST UPDT: 2/07/13 APPROVED:12/01/99													
CEE	477	OPEN-CHANNEL FLOW Open-Channel Flow	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:14-16 DESC, TITLE CHG	LAST UPDT: 7/23/14 APPROVED:12/01/99													
CEE	480	AIR QLTY MODELING Air-Quality Modeling	AUT/2015 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	CEE	480 ATM S 480	.
				COMMENT:EMAIL PREQ CHG	LAST UPDT: 2/02/15 APPROVED:12/01/99													
				FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081														
CEE	481	HYDR DESIGN ENV ENG Hydraulic Design for Environmental Engineering	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:14-16 DESC CHG	LAST UPDT: 7/23/14 APPROVED:12/01/99													
CEE	482	WASTEWTR REUSE/REC Wastewater Reuse and Resource Recovery	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:14-16 DESC CHG	LAST UPDT: 3/22/16 APPROVED:12/01/99													
CEE	483	DRINKING WTR TRTMT Drinking Water Treatment	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG	LAST UPDT: 2/07/13 APPROVED: 8/14/02													
CEE	484	ON-SITE WASTE MGMT Decentralized and On-Site Wastewater Management and Reuse	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG	LAST UPDT: 2/07/13 APPROVED:12/01/99													



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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		U	GRD	E	U N E	P & N C M S N	A S W T P R G					
CEE 496	CHEM FATE & TRANSP Fate and Transport of Chemicals in the Environment	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/17/13		APPROVED: 9/17/13											
CEE 497	JORDAN STUDY ABROAD Engineering Jordan: Water in an Arid Land Study Abroad	SPR/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/20/13		APPROVED: 2/19/13											
CEE 498	SPECIAL TOPICS Special Topics	AUT/2014 - AUT/9999	1.0-05.0	12.0	Y	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 12/01/99		FEE TYPE:1 \$50.00 BUDGET:069327 REV OBJ CD:943081									
CEE 499	INDPNDT STUDY/RSCH Independent Study/Research	AUT/2014 - AUT/9999	1.0-05.0	12.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 12/01/99		COMMENT:CHG TTLS, DESC, CREDITS									
CEE 500	CEE SEMINARS Civil and Environmental Engineering Seminars	AUT/2000 - AUT/9999	1.0	3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/30/00		APPROVED: 6/28/00											
CEE 501	STR MECHANICS Structural Mechanics	SUM/2000 - AUT/9999	6.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 10/12/06		APPROVED: 1/28/00		COMMENT:WAS CESM 501, CHG TITLES									
CEE 502	STR DYNAMICS Structural Dynamics	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/10/12		APPROVED: 1/28/00		COMMENT:12-14 DESC CHG									
CEE 503	MATERIALS MODELING Materials Modeling	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 10/12/06		APPROVED: 1/28/00		COMMENT:WAS CESM 503, CHG TITLES									
CEE 504	FINITE ELEM METHODS Finite Element Methods in Structural Mechanics	AUT/2003 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/06/08				COMMENT:WAS CESM 504									

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				-ALL	U		GRD	E	U	N	E	P	&	N			
CEE 505	ENGR COMPUTING Engineering Computing	AUT/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/04/07		APPROVED: 3/13/07											
CEE 506	NONLNR ANLY STR SYS Nonlinear Analysis of Structural Systems	AUT/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/04/07		APPROVED: 3/13/07											
CEE 507	STRUC STABILITY Structural Stability	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/15		APPROVED:11/17/15											
CEE 509	ENGR ROME: STDY ABRD Engineering Rome: Study Abroad	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, HYPHEN			LAST UPDT:12/16/14		APPROVED: 5/15/12											
CEE 511	ADV REINF CONCRETE Advanced Reinforced Concrete	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PREQ CHG PER 08-10 UPDATE			LAST UPDT: 1/02/08		APPROVED: 1/28/00											
CEE 512	ADV STRUCTURAL SYS Advanced Structural Systems	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:12-14 DESC CHG			LAST UPDT: 7/10/12		APPROVED: 1/28/00											
CEE 513	ADVANCED STEEL I Advanced Steel I	WIN/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT:11/01/07		APPROVED: 1/28/00											
CEE 515	EARTHQUAKE ENGR I Earthquake Engineering I	WIN/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CESM 514			LAST UPDT:10/12/06		APPROVED: 8/23/00											
CEE 516	EARTHQUAKE ENGR II Earthquake Engineering II	WIN/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CESM 515			LAST UPDT:10/12/06		APPROVED: 8/23/00											















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				-ALL	U		GRD	E	U	N	E	P	& N	C			
CEE 579	ADV TRAFFIC DET SYS Advanced Traffic Detection Systems	SPR/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/02/05		APPROVED: 1/31/05											
CEE 580	URBAN TRANSPORT PLG Urban Transportation Planning	AUT/2002 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/01/02		APPROVED: 3/25/02											
CEE 581	TRAVEL DEMAND FCAST Travel Demand Forecasting	WIN/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/29/00		APPROVED: 6/28/00											
CEE 582	INTELLGNT TRANS SYS Intelligent Transportation Systems	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/29/00		APPROVED: 6/28/00											
CEE 583	TRANSP ENRGY & SUST Transportation Energy and Sustainability	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/23/15		APPROVED: 9/15/15											
CEE 584	ANYL METH TRANS I Analytical Methods in Transportation I	SUM/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CEE 584	IND E 546	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 4/01/15		APPROVED: 1/28/00											
CEE 585	ANLY METH TRANSP II Analytical Methods in Transportation II	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/29/00		APPROVED: 6/28/00											
CEE 586	PEDESTRIAN TRAVEL Pedestrian Travel, Land Use, and Urban Form	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	URBDP 576	URBDP 576	.	.
				LAST UPDT: 3/18/08		APPROVED: 3/18/08											
CEE 587	GTTL MANAGEMENT Global Trade, Transportation, and Logistics Management	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:DROP JT STATUS			LAST UPDT:10/30/12		APPROVED: 9/22/97											
CEE 588	ENERGY INFRA & ENV Energy Infrastructure and the Environment	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:ADD DL			LAST UPDT:12/21/11		APPROVED: 1/18/11											





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				-ALL U	GRD		U N E	P & N	C M S N	A S W T P R G							
SCTL 501	LOGST AND ANALYSIS Logistics and Analysis	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 502	IT INTEGRATION IT Systems and Supply Chain Integration	AUT/2013 - WIN/2017	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:INITIAL DL			LAST UPDT: 5/09/13		APPROVED: 4/16/13											
SCTL 502	IT INTEGRATION IT Systems and Supply Chain Integration	SPR/2017 - AUT/9999	0.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 503	INVENTORY MGMT Inventory Management	WIN/2014 - SPR/2017	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 503	IND E 575	.	.
	COMMENT:INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 503	INVENTORY MGMT Inventory Management	SUM/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 503	IND E 575	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 504	FAC DES & OP MGMT Facility Design and Operations Management	SPR/2014 - SUM/2017	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 504	IND E 576	.	.
	COMMENT:INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 504	FAC DES & OP MGMT Facility Design and Operations Management	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 504	IND E 576	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 505	SUPPLY TRANS RISKS External Supply Chain Transportation Risks	SUM/2014 - AUT/2017	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:INITIAL DL			LAST UPDT: 2/11/14		APPROVED:11/19/13											
SCTL 505	SUPPLY TRANS RISKS External Supply Chain Transportation Risks	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 2/11/14		APPROVED:11/19/13											





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				-ALL U	GRD		U	N	E	P	& N	C	M	S				N	
CSE 120	COMP SCI PRINCIPLES Computer Science Principles	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	Y	.			.			
				LAST UPDT:10/17/12		APPROVED:10/16/12													
CSE 131	SCI&ART DIGTL PHOTO Science and Art of Digital Photography	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.			.			
				LAST UPDT: 5/22/12		APPROVED: 5/15/12													
CSE 142	COMPUTER PRGRMNG I Computer Programming I  COMMENT:CHG DESC	WIN/2015 - AUT/9999	4.0	.	.	.	.	.	Y	.	Y	.				.			
				LAST UPDT: 1/21/15		APPROVED: 5/30/91													
CSE 143	COMPUTER PRGRMNG II Computer Programming II  COMMENT:CHG DESC	WIN/2007 - AUT/9999	5.0	.	.	.	.	.	Y	.	Y	.				.			
				LAST UPDT:10/12/06		APPROVED: 5/30/91													
CSE 154	WEB PROGRAMMING Web Programming	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.				.			
				LAST UPDT:10/30/15		APPROVED: 5/15/12													
CSE 160	DATA PROGRAMMING Data Programming	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	Y	.	Y	.				.			
				LAST UPDT: 1/21/15		APPROVED: 1/20/15													
CSE 190	CURRENT TOPICS CSE Current Topics in Computer Science and Engineering	SPR/2007 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.				.			
				LAST UPDT: 3/14/07		APPROVED: 3/13/07													
CSE 300	CSE INTERNSHIP CSE Internship Education	AUT/2016 - AUT/9999	1.0-10.0	24.0	.	CR/NC	Y	.	.	.	.	.				Y			
				LAST UPDT: 7/08/16		APPROVED: 6/07/16													
CSE 301	CSE INTERNSHIP CSE Internship Education	SPR/2016 - AUT/9999	1.0-02.0	12.0	.	CR/NC	.	.	.	.	.	.				.			
				LAST UPDT: 6/06/16		APPROVED: 2/16/16													
CSE 303	SOFTWARE DEV TOOLS CONCEPTS AND TOOLS FOR SOFTWARE DEVELOPMENT  COMMENT:EMAIL PREQ CHG	WIN/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.				.			
				LAST UPDT: 2/07/14		APPROVED: 8/20/04													

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				-ALL	U		GRD	E	U	N	E	P	&	N			
CSE 311	FOUNDATIONS COMP I Foundations of Computing I	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	Y	.	.
				LAST UPDT: 11/18/09		APPROVED: 11/17/09											
CSE 312	FOUNDATIONS COMP II Foundations of Computing II	SUM/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	Y	.	.
				LAST UPDT: 6/30/16		APPROVED: 11/17/09											
CSE 321	DISCRETE STRUCTURES DISCRETE STRUCTURES	WIN/1990 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/07/14		APPROVED: 6/01/89											
				COMMENT: WAS C SCI 321													
CSE 322	INTRO FORMAL MODELS INTRODUCTION TO FORMAL MODELS IN COMPUTER SCIENCE	WIN/1990 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/14		APPROVED: 6/01/89											
				COMMENT: WAS C SCI 322													
CSE 326	DATA STRUCTURES Data Structures	AUT/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/14		APPROVED: 6/01/89											
				COMMENT: CHG DESCRIPTION													
CSE 331	SW DESIGN & IMPL Software Design and Implementation	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/16		APPROVED: 11/17/09											
CSE 332	DATA STRUC & PRLLEL Data Structures and Parallelism	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/16		APPROVED: 11/17/09											
CSE 333	SYSTEMS PROGRAMMING Systems Programming	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 11/17/09											
CSE 341	PROGRAMMING LANGS Programming Languages	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 6/22/89											
CSE 344	INTRO DATA MGMT Introduction to Data Management	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/14		APPROVED: 11/17/09											
				COMMENT: 14-16 PREQ CHG													

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				-ALL U	GRD		U	N	E	P	& N	C	M	S			
CSE 351	HW SW INTERFACE The Hardware/Software Interface	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/18/09		APPROVED:11/17/09											
CSE 352	HW DESIGN & IMPL Hardware Design and Implementation	SPR/2010 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED:11/17/09											
				FEE TYPE:1		\$50.00		BUDGET:069645		REV		OBJ		CD:943081			
CSE 369	INTRO DIG DESIGN Introduction to Digital Design	SPR/2016 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 6/02/15											
CSE 370	INTRO DIG DESIGN INTRODUCTION TO DIGITAL DESIGN	WIN/2005 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/07/14		APPROVED: 5/31/90											
				COMMENT:FEE CHANGE		FEE TYPE:1		\$50.00		BUDGET:069645		REV		OBJ		CD:943081	
CSE 371	DIGITAL DESIGN Design of Digital Circuits and Systems	WIN/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	EE	371	EE	371
				LAST UPDT: 8/22/16		APPROVED: 9/16/14											
				FEE TYPE:1		\$50.00		BUDGET:069330		REV		OBJ		CD:943081			
CSE 373	DATA STRUC/ALGORITHM Data Structures and Algorithms	AUT/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/13/16		APPROVED: 6/22/89											
CSE 374	PROG CONCEPTS TOOLS Intermediate Programming Concepts and Tools	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/14		APPROVED: 3/17/09											
				COMMENT:14-16 PREQ CHG													
CSE 378	MC ORG & ASSEM LANG MACHINE ORGANIZATION AND ASSEMBLY LANGUAGE	WIN/2007 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/07/14		APPROVED: 6/22/89											
				COMMENT:EMAIL PREREQ CHG		FEE TYPE:1		\$50.00		BUDGET:069645		REV		OBJ		CD:943081	
CSE 390	SPECIAL TOPICS CSE Special Topics in Computer Science and Engineering	SPR/2010 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/17/10		APPROVED: 2/16/10											
CSE 391	SOFTWARE TOOLS System and Software Tools	SPR/2016 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 2/23/16											

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COLLEGE : J - Engineering  
DEPARTMENT: COMPUTER SCI & ENGR

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D			S H F	V L	E E W	RESPONS	JOINT	I	
				-ALL	U	GRD							U
CSE 399	CSE FOREIGN STDY CSE Foreign Study	AUT/2004 - AUT/9999	0.0	.	CR/NC	.	.	.	.	.	.	.	.
				LAST UPDT: 8/24/04		APPROVED: 8/20/04							
CSE 401	INT COMPILER CONSTR Introduction to Compiler Construction	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 6/22/89							
CSE 403	SOFTWARE ENGINEERING Software Engineering	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 5/29/92							
CSE 410	COMPUTER SYSTEMS Computer Systems	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 6/22/89							
CSE 413	LANGS & COMPILERS Programming Languages and Their Implementation	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC PER 08-10 UPDATE			LAST UPDT: 1/23/08		APPROVED: 6/01/89							
CSE 414	DATABASE SYSTEMS Introduction to Database Systems	WIN/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:CONVERSION OF TEMP			LAST UPDT:10/16/13		APPROVED: 3/19/13							
CSE 415	ARTIF INTELLIGENCE Introduction to Artificial Intelligence	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
	COMMENT:CHG DESC PER 08-10 UPDATE			LAST UPDT: 1/23/08		APPROVED: 6/22/89							
CSE 417	ALG & COMP COMPLEX Algorithms and Computational Complexity	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC PER 08-10 UPDATE			LAST UPDT: 1/23/08		APPROVED: 6/23/98							
CSE 421	INTRO TO ALGORITHMS Introduction to Algorithms	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 6/22/89							









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COLLEGE : J - Engineering  
 DEPARTMENT: COMPUTER SCI & 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			
CSE 475	EMBEDDED CAPSTONE Embedded Systems Capstone	WIN/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	E E	475 E E	475 .	
				LAST UPDT: 6/05/15 APPROVED: 6/01/84 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													
CSE 476	EMB SYS DES EMBEDDED SYSTEM DESIGN	AUT/2000 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 2/07/14 APPROVED:12/01/99													
CSE 481	CAP SOFT DESIGN Capstone Software Design	AUT/2014 - AUT/9999	5.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 9/19/14 APPROVED:12/01/99													
				COMMENT:14-16 PREQ CHG													
CSE 484	COMPUTER SECURITY Computer Security	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 9/19/14 APPROVED: 6/20/07													
				COMMENT:14-16 PREQ CHG													
CSE 486	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	423 BIOEN 423	.	
				LAST UPDT: 9/19/14 APPROVED:11/17/09													
				COMMENT:14-16 PREQ CHG													
CSE 487	ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 424 E E	424 .		
				LAST UPDT: 3/21/16 APPROVED:11/17/09													
				COMMENT:EMAIL PREQ CHG, CHG DESC													
CSE 488	LAB SYNTH BIO Laboratory Methods in Synthetic Biology	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	E E	425 BIOEN 425	.	
				LAST UPDT: 1/27/10 APPROVED:11/17/09													
				COMMENT:14-16 PREQ CHG													
CSE 490	SPECIAL TOPICS CSE Special Topics in Computer Science and Engineering	WIN/2000 - AUT/9999	1.0-05.0	15.0	.	.	.	Y	.	.	.	.	.	.	.	.	
				LAST UPDT: 7/23/15 APPROVED: 2/28/94													
				COMMENT:CHG CREDITS													
				FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081													
CSE 491	DATA SCI & SOC SMNR Data Science and Society Seminar	SPR/2016 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 2/23/16 APPROVED: 2/23/16													

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DEPARTMENT: COMPUTER SCI & ENGR

COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D				S H F U N E M R E	V L I P & N C M S N A S W T P R G	E E W L R E C Q T C M S N	RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U MAX	GRD P	D SYS	D HYPH						
CSE 495	PROJECT PRACTICUM Project Practicum	WIN/2014 - AUT/9999	1.0-05.0	5.0	.	.	11	. . .	. . . . .	. . . . .			.
				LAST UPDT:11/20/13				APPROVED:11/19/13					
CSE 497	UGRAD RES SEM Undergraduate Research Seminar	AUT/2003 - AUT/9999	1.0	.	.	.		. . .	. . . . .	. . . . .			.
				LAST UPDT: 6/26/03				APPROVED: 6/25/03					
CSE 498	SENIOR PROJECT Senior Project	WIN/1990 - AUT/9999	1.0-09.0	9.0	.	.	11	. . .	. . . . .	. . . . .			.
	COMMENT:WAS C SCI 498			LAST UPDT:10/13/06				APPROVED: 6/22/89					
CSE 499	READING & RESEARCH Reading and Research	WIN/1990 - AUT/9999	1.0-24.0	24.0	.	CR/NC	.	. . .	. . . . .	. . . . .			.
	COMMENT:WAS C SCI 499			LAST UPDT:10/13/06				APPROVED: 6/22/89					
CSE 501	PROG LANG AN & IMPL Programming Language Analysis and Implementation	AUT/2014 - AUT/9999	4.0	.	.	.		. . .	. . . . .	. . . . .			.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14				APPROVED: 6/22/89					
CSE 503	SOFTWARE ENG Software Engineering	AUT/2014 - AUT/9999	4.0	.	.	.		. . .	. . . . .	. . . . .			.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14				APPROVED: 6/22/89					
CSE 504	ADV TPCS SOFTW ENG Advanced Topics in Software Engineering	AUT/2014 - AUT/9999	4.0	.	.	.		. . .	. . . . .	. . . . .			.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14				APPROVED:11/29/95					
CSE 505	PRIN OF PROG LANGS Principles of Programming Languages	AUT/2014 - AUT/9999	4.0	.	.	.		. . .	. . . . .	. . . . .			.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14				APPROVED: 6/22/89					
CSE 506	ADV TOPIC PROG LANG Advanced Topics in Programming Languages	AUT/2014 - AUT/9999	4.0	.	.	.		. . .	. . . . .	. . . . .			.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14				APPROVED: 6/22/89					

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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		U	GRD	E	U	N	E	P	&			
CSE 507	REASONING FOR SW Computer-Aided Reasoning for Software	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/19/14		APPROVED: 11/18/14											
CSE 510	ADV TOPICS IN HCI Advanced Topics in Human-Computer Interaction	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS			LAST UPDT: 9/20/11		APPROVED: 9/28/98											
CSE 512	DATA VISUALIZATION Data Visualization	WIN/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/25/13		APPROVED: 11/19/13											
CSE 515	STAT METH IN CS Statistical Methods in Computer Science	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 3/29/05											
CSE 517	NAT LANG PROCESSING Natural Language Processing	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/05/12		APPROVED: 8/21/12											
CSE 519	CURRENT RESEARCH Current Research in Computer Science	AUT/2008 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG MAX CREDITS			LAST UPDT: 8/20/08		APPROVED: 6/22/89											
CSE 520	COLLOQUIUM Computer Science Colloquium	AUT/2008 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG MAX CREDITS			LAST UPDT: 8/20/08		APPROVED: 6/22/89											
CSE 521	DSGN&ANLYS ALGRTHM Design and Analysis of Algorithms I	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 6/22/89											
CSE 522	DSGN&ANLYS ALGRTHM Design and Analysis of Algorithms II	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED: 6/22/89											









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				-ALL U	GRD		U N E	L I	P & N		C M S N					
CSE 601	INTERNSHIP Internship	SPR/2016 - AUT/9999	1.0-02.0	12.0	. CR/NC	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 6/06/16 APPROVED: 2/16/16																
CSE 700	MASTERS THESIS Master's Thesis	WIN/1990 - AUT/9999	0.0	999.0	. CR/NC	.	11	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/19/10 APPROVED: 6/22/89																
COMMENT:WAS C SCI 700																
CSE 800	DOCTORAL DISSERTATN Doctoral Dissertation	WIN/1990 - AUT/9999	0.0	999.0	. CR/NC	.	11	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/19/10 APPROVED: 6/22/89																
COMMENT:WAS C SCI 800																



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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V	E E W				RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U	N	E		P & N	C	M	S			
CSE M 544	DATABASE SYSTEMS Database Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG																
CSE M 552	DISTRIBUTED SYSTEMS Introduction to Distributed Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG																
CSE M 584	COMPUTER SECURITY Computer Security	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG																

LAST UPDT: 9/19/14 APPROVED: 6/17/08

LAST UPDT: 9/19/14 APPROVED: 8/21/12

LAST UPDT: 9/19/14 APPROVED:12/16/08





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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			
CSE P 564	COMPUTER SECURITY Computer Security and Privacy	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	Y
				LAST UPDT:11/21/12		APPROVED:11/20/12											
CSE P 567	DIGITAL SYSTEMS Design and Implementation of Digital Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/14		APPROVED: 1/23/97											
				COMMENT:14-16 PREQ CHG													
CSE P 573	APPS ARTIF INTEL Applications of Artificial Intelligence	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/14		APPROVED: 1/23/97											
				COMMENT:14-16 PREQ CHG													
CSE P 576	COMPUTER VISION Computer Vision	AUT/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/16/06		APPROVED: 1/30/03											
				COMMENT:CHANGE TITLES													
CSE P 590	SP TPC COMPTR SCI Special Topics in Computer Science	SPR/2003 - AUT/9999	1.0-04.0	20.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/06/03		APPROVED: 1/30/03											
CSE P 595	SW ENTREPRENEURSHIP Software Entrepreneurship	SPR/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/27/03		APPROVED: 2/26/03											
CSE P 596	SOFTWARE BUSINESS Business Basics Computer Science Professionals	SPR/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/06/03		APPROVED: 1/30/03											
CSE P 600	INDPNT STDY/RES Independent Study or Research	SPR/2003 - AUT/9999	1.0-04.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/10		APPROVED: 1/30/03											

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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		U N E	P	N	C	M	S	N				
E E 135	DIGITAL MULTIMEDIA The Digital World of Multimedia	WIN/2009 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:11/19/08 APPROVED:11/18/08													
E E 205	INTRO SIGNAL COND Introduction to Signal Conditioning	SPR/2010 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	Y	.	.	.
				LAST UPDT: 8/22/16 APPROVED:11/17/09 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													
E E 215	INTRO TO E E Fundamentals of Electrical Engineering	SPR/2016 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT:11/24/15 APPROVED: 3/15/99 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													
E E 233	CIRCUIT THEORY Circuit Theory	AUT/1992 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15 APPROVED: 2/03/92 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													
E E 235	CT LINEAR SYSTEMS Continuous Time Linear Systems	SPR/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/24/15 APPROVED: 3/31/92 FEE TYPE:1 \$35.00 BUDGET:069330 REV OBJ CD:943081													
E E 271	DIGITAL CIR & SYSTE Digital Circuits and Systems	SPR/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/24/15 APPROVED:12/06/91 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													
E E 294	INNOV READINESS Innovation Readiness: Cultivating an Innovation Mindset	SPR/2016 - SPR/2018	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 4/29/16 APPROVED: 4/22/16													
E E 299	INTRO TPCS E E Introductory Topics in Electrical Engineering	WIN/2014 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:10/16/13 COMMENT:CHG TITLES, MAX CREDITS													
E E 331	DEVICES/CIRCUITS I Devices and Circuits I	AUT/1996 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15 APPROVED:12/06/91 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 COMMENT:CHANGE DESCRIPTION													













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 DEPARTMENT: ELECTRICAL 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	E	U N E	M R E	P & A	N S W	C M T	E C P	Q M R	S N G			
E E 474	INTRO EMBEDDED SYS Introduction to Embedded Systems	WIN/2016 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	CSE 474	CSE 474	.	
				LAST UPDT: 6/05/15 APPROVED:12/01/99														
				FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081														
E E 475	EMBEDDED CAPSTONE Embedded Systems Capstone	WIN/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	E E 475	CSE 475	.	
				LAST UPDT: 6/05/15 APPROVED: 6/01/84														
				FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081														
E E 476	DIG INT CIRCUIT DES Digital Integrated Circuit Design	WIN/2015 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.			.	
				LAST UPDT: 9/29/14														
				COMMENT:EMAIL PREQ CHG														
				FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081														
E E 477	VLSI II VLSI II	WIN/2015 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.			.	
				LAST UPDT: 9/29/14 APPROVED: 2/23/96														
				COMMENT:EMAIL PREQ CHG														
				FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081														
E E 482	SEMICONDCTR DEVICES Semiconductor Devices	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 5/31/12 APPROVED: 5/24/93														
				COMMENT:EMAIL PREQ CHG														
E E 484	SENSRS/SENSR SYSTMS Sensors and Sensor Systems	SPR/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 1/23/12 APPROVED: 2/25/00														
				COMMENT:EMAIL PREQ CHG														
E E 485	INTRO TO PHOTONICS Introduction to Photonics	WIN/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 1/16/13 APPROVED: 3/31/98														
				COMMENT:CHG PREREQ, DESC														
E E 486	IC TECHNOLOGY Fundamentals of Integrated Circuit Technology	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	MSE 486	MSE 486	.	
				LAST UPDT: 3/16/16 APPROVED: 1/03/01														
E E 488	PHOTONICS CAPSTONE Photonics Design Capstone	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 6/04/14 APPROVED: 6/03/14														

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COLLEGE : J - Engineering  
 DEPARTMENT: ELECTRICAL 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	E	D	U N E	M R E	P & A	N S W	C T P	M S R	S N G			
E E 490	READINGS & RESEARCH Reading and Research	SUM/2008 - AUT/9999	1.0-05.0	25.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/05/09		APPROVED: 6/17/08											
E E 491	UNDERGRAD SEMINAR Undergraduate Seminar	WIN/2009 - AUT/9999	1.0	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/08		APPROVED:11/18/08											
E E 497	ENTREP CAPSTONE 1 Engineering Entrepreneurial Capstone I	WIN/2016 - WIN/2018	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/18/15		APPROVED:12/15/15		DROPPED:12/15/15									
E E 498	ENTREP CAPSTONE 2 Engineering Entrepreneurial Capstone II	SPR/2016 - SPR/2018	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/20/15		APPROVED:12/15/15		DROPPED:12/15/15									
E E 499	UG RSCH-SP PROJECT Undergraduate Research and Special Projects	SPR/2007 - AUT/2016	2.0-05.0	10.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/13/16		COMMENT:CHG TITLES, DESC											
E E 499	UG RSCH-SP PROJECT Undergraduate Research and Special Projects	WIN/2017 - AUT/9999	1.0-05.0	10.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/13/16													
E E 500	GRADUATE SEMINAR Graduate Seminar	AUT/2008 - AUT/9999	1.0	9.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/08		APPROVED: 1/29/87											
COMMENT:CHG MAX CREDITS																	
E E 501	ACADEMIC WRITING Academic Writing	SPR/2016 - SPR/2018	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/20/15		APPROVED:12/15/15		DROPPED:12/15/15									
E E 502	INTRO TO MEMS Introduction to Microelectro Mechanical Systems	AUT/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	E E 502	M E 504	.	.
				LAST UPDT: 5/22/01		APPROVED: 9/20/99		MSE 504									
COMMENT:CHANGE JOINT STATUS																	
E E 503	MODELING OF MEMS Modeling of MEMS	WIN/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/13/06		APPROVED:12/13/06											



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COLLEGE : J - Engineering  
 DEPARTMENT: ELECTRICAL 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		U N E	P	& N C M S N	A S W T P R G							
E E 517	CON-SPACE PROC Continuous-Space Language Processing	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/15		APPROVED: 6/28/00											
E E 518	DIGITAL SIGNAL PROC Digital Signal Processing	AUT/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/21/15		APPROVED: 3/18/71											
E E 519	STOCHASTIC ANALYSIS Stochastic Analysis of Data From Physical Systems	SPR/1982 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, CRDT, DESC				LAST UPDT:10/17/06		APPROVED: 6/03/71											
E E 520	SPCTR ANLYS TME SER Spectral Analysis of Time Series	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	STAT 520	STAT 520	.	.
COMMENT:14-16 PREQ CHG				LAST UPDT: 3/15/16		APPROVED: 6/01/81											
E E 521	QUANTUM MECH ENGRS Quantum Mechanics for Engineers	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/10/11		APPROVED: 5/17/11											
E E 523	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E 523	BIOEN 523	.	.
				LAST UPDT: 9/28/16		APPROVED:11/17/09											
														CSE 586	MOLENG 525	.	
E E 524	ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 524	CSE 587	.	.
COMMENT:CHG DESC				LAST UPDT: 3/21/16		APPROVED:11/17/09											
														BIOEN 524	.		
E E 525	VLSI II VLSI II	WIN/2001 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 8/23/00											
				FEE TYPE:1		\$50.00 BUDGET:069330		REV OBJ CD:943081									
E E 526	VLSI III VLSI III	SPR/2001 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 8/23/00											
COMMENT:WAS E E 535				FEE TYPE:1		\$50.00 BUDGET:069330		REV OBJ CD:943081									









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 DEPARTMENT: ELECTRICAL 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			
E E	556 POWER GRID Anaylzing the Power Grid	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 6/03/14											
E E	557 DYN CONTROLLED SYS Dynamics of Controlled Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 6/03/14											
E E	558 DISTRIB AUTOMATION Substation and Distribution Automation	WIN/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/27/14		APPROVED: 6/03/14											
E E	559 TOPICS ELEC ENERGY Special Topics in Electrical Energy Systems	AUT/2014 - AUT/9999	1.0-05.0	16.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/31/14		APPROVED: 9/18/80											
	COMMENT:14-16 PREQ CHG																
E E	560 ADV MACHINES DRIVES Advanced Electric Machines and Drives	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 6/03/14											
E E	562 AI FOR ENGINEERS Artificial Intelligence for Engineers	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/31/14		APPROVED: 4/01/85											
	COMMENT:14-16 PREQ CHG																
E E	565 COMPUT-COMM NETS I Computer-Communication Networks I	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/31/14		APPROVED: 6/12/86											
	COMMENT:14-16 PREQ CHG																
E E	566 COMPUT-COMM NETS II Computer-Communication Networks II	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/31/14		APPROVED: 6/12/86											
	COMMENT:14-16 PREQ CHG																
E E	567 WIRELESS NETWORKS Mobile Radio Networks	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/18/09		APPROVED: 8/20/04											
	COMMENT:CHG CREDITS, DESC																
E E	568 DIGITAL IMAGE PROC Digital Image Processing	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/21/15		APPROVED: 9/01/87											



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COLLEGE : J - Engineering  
 DEPARTMENT: ELECTRICAL ENGR

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V	E E W				RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		E	U N E	P & N		C M S N	A S W T P R G					
E E	580 GEOMETRIC METHODS Geometric Methods for Non-Linear Control Systems	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	A A	580 M E	580 .	
				LAST UPDT: 2/25/16		APPROVED: 2/21/07								A A		580	
E E	581 DIGITAL CONTROL Digital Control	SPR/2016 - AUT/2016	3.0	.	.	.	Y	.	.	.	.	.	.	M E	581 A A	581 .	
				LAST UPDT: 6/13/16		APPROVED: 4/29/96		FEE TYPE:1		\$50.00 BUDGET:069397		REV OBJ CD:943081		M E		581	
E E	581 DIGITAL CONTROL SYS Digital Control System Design	WIN/2017 - AUT/9999	4.0	.	.	.	Y	.	.	.	.	.	.	M E	581 A A	581 .	
				LAST UPDT: 6/13/16		APPROVED: 4/29/96		FEE TYPE:1		\$50.00 BUDGET:069397		REV OBJ CD:943081		M E		581	
E E	582 DISCRETE EVENT SYS Introduction to Discrete Event Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	M E	582 A A	582 .	
				LAST UPDT: 3/22/16		APPROVED: 4/29/96								M E		582	
				COMMENT:CHG TITLES, DESCRIPT, PREREQ													
E E	583 NONLINEAR CONTR SYS Nonlinear Control Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	583 M E	583 .	
				LAST UPDT:10/18/06										A A		583	
				COMMENT:CHANGED JOINT STATUS,DESCR,PRE													
E E	585 SYS ID & ADAPT CTRL System Identification and Adaptive Control	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	585 A A	585 .	
				LAST UPDT: 4/24/12		APPROVED: 3/29/05								M E		585	
				COMMENT:EMAIL PREQ CHG													
E E	586 DIG VID COD SYS Digital Video Coding Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 7/31/14		APPROVED: 9/28/98											
				COMMENT:14-16 PREQ CHG													
E E	587 MULTIMEDIA COMP Multimedia Compression and Networking	AUT/2004 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 1/24/06		APPROVED: 8/20/04											
E E	589 ADV TOPIC SENSORS Advanced Topics in Sensors and Sensor Systems	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 7/31/14		APPROVED: 2/21/95											
				COMMENT:14-16 PREQ CHG													







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COLLEGE : J - Engineering  
 DEPARTMENT: ENGINEERING

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				-ALL	U		GRD	E	U	N	E	P	&	N			
ENGR 322	ENGR CO-OP SEM Engineering Cooperative Education Postwork Seminar	AUT/1991 - AUT/9999	0.0	.	.	22	.	.	.	.	.	.	.	.	.	.	Y
	COMMENT:CHG CREDITS																
ENGR 360	INTRO ACOUSTICS Introductory Acoustics	SPR/1974 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
ENGR 380	SUSTAINABLE DESIGN Design for Sustainability in the Developing World	AUT/2007 - AUT/9999	2.0	8.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
ENGR 401	PEERS: ENGR EQUITY Leadership Development to Promote Equity in Engineering Relationships	AUT/2014 - SUM/2017	3.0	.	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:TEMPORARY																
ENGR 497	VERT INT PROJECTS Vertically Integrated Projects	AUT/2016 - SPR/2021	1.0-02.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
ENGR 498	SPECIAL TOPICS Special Topics in Engineering	SPR/1980 - AUT/9999	1.0-05.0	6.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS																
ENGR 499	SPECIAL PROJECTS Special Projects in Engineering	WIN/1974 - AUT/9999	1.0-03.0	6.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
ENGR 598	SEMINAR SERIES ENGR Seminar Series in Engineering	WIN/1997 - AUT/9999	1.0	12.0	.	.	.	.	.	.	.	.	.	.	.	.	.
ENGR 601	INTERNSHIP Internship	AUT/2013 - AUT/9999	1.0-02.0	24.0	.	.	.	.	.	.	Y	.	.	.	.	.	Y

LAST UPDT:10/08/13 APPROVED: 9/17/13  
 FEE TYPE:2 \$500.00 BUDGET:069319 REV OBJ CD:943081





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COLLEGE : J - Engineering  
DEPARTMENT: HUMAN CTR DESIGN & ENGR

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	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				M	S	N	
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G			
HCDE 321	PORTFOLIO Portfolio	AUT/2015 -	AUT/9999	2.0	. CR/NC .				. . . . .				. . . . .									
										LAST UPDT: 8/13/15				APPROVED:12/20/11								
HCDE 322	ORG TEAMWORK Organizational Teamwork	AUT/2014 -	AUT/9999	2.0	. CR/NC .				. . . . .				. . . . .									
										LAST UPDT: 6/04/14				APPROVED: 6/03/14								
HCDE 333	ADV TEC WRIT & ORAL Advanced Technical Writing and Oral Presentation	AUT/2009 -	AUT/9999	4.0	. . . . .				. . . . .				. . . . .									
	COMMENT:WAS T C 333 1-2009, CHG DESC									LAST UPDT: 6/15/09				APPROVED: 6/15/99								
HCDE 407	SOFTWARE USER ASST Software User Assistance	AUT/2009 -	AUT/9999	5.0	. . . . .				. . . . .				. . . . .									
	COMMENT:WAS T C 407 1-09, CHG DESC									LAST UPDT: 6/15/09				APPROVED:12/01/89								
HCDE 408	PROPOSALS AND EIS Public Documents: Proposals, EISs, Assessments	AUT/2009 -	AUT/9999	3.0	. . . . .				. . . . .				. . . . .									
	COMMENT:WAS T C 408									LAST UPDT: 1/27/09				APPROVED:12/01/89								
HCDE 409	WRITING FOR PUB WRITING FOR PUBLICATION	AUT/2009 -	AUT/9999	3.0	. . . . .				. . . . .				. . . . .									
	COMMENT:WAS T C 409									LAST UPDT: 1/27/09				APPROVED:12/01/89								
HCDE 411	INFO VISUALIZATION Information Visualization	AUT/2015 -	AUT/2016	5.0	. . . . .				. . Y				Y Y . . . . .									
	COMMENT:EMAIL PREQ CHG									LAST UPDT: 5/24/16				APPROVED:12/01/89								
					FEE TYPE:1				\$50.00 BUDGET:069657				REV OBJ CD:943081									
HCDE 411	INFO VISUALIZATION Information Visualization	WIN/2017 -	AUT/9999	5.0	. . . . .				. . Y				Y Y . . . . .									
	COMMENT:EMAIL PREQ CHG									LAST UPDT: 5/24/16				APPROVED:12/01/89								
					FEE TYPE:1				\$50.00 BUDGET:069657				REV OBJ CD:943081									
HCDE 417	USABILITY RESEARCH Usability Research Techniques	WIN/2013 -	AUT/2016	5.0	. . . . .				. . Y				. . . . .									
	COMMENT:EMAIL PREQ CHG									LAST UPDT: 5/24/16				APPROVED: 1/31/05								
					FEE TYPE:1				\$50.00 BUDGET:069657				REV OBJ CD:943081									

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				-ALL U	GRD		U	P	GRD	E	U	N	E	P			
HCDE 417	USABILITY RESEARCH Usability Research Techniques	WIN/2017 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/24/16 APPROVED: 1/31/05 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081													
HCDE 418	USER EXP DESIGN User Experience Design	AUT/2015 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG LAST UPDT: 3/16/15 APPROVED: 1/31/05 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081													
HCDE 419	CONCEPTS IN HCI Concepts in Human-Computer Interaction	AUT/2015 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG LAST UPDT: 3/16/15 APPROVED: 1/31/05 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081													
HCDE 421	CURRENT PRACTICE TC Current Practices in Technical Communication	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:CHG TITLES, DESC LAST UPDT: 2/16/10 APPROVED: 9/21/04													
HCDE 422	STYLE IN TECH COMM Style in Technical Communication	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:CHG TITLES, DESC LAST UPDT: 2/16/10 APPROVED:12/15/05													
HCDE 423	TECH EDIT &DOC DEVL Introduction to Technical Editing	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:CHG TITLES, DESC LAST UPDT: 2/16/10 APPROVED: 9/21/04													
HCDE 424	AUTHOR & PROD TOOLS The Computer in Technical Communication	AUT/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:CHG TITLES, DESC LAST UPDT: 2/16/10 APPROVED: 9/21/04													
HCDE 426	SOFTWARE USER ASST Software User Assistance	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:CHG TITLES, DESC LAST UPDT: 2/16/10 APPROVED: 9/21/04													
HCDE 427	VISUAL DESIGN IN TC Production Editing	AUT/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:CHG TITLES, DESC LAST UPDT: 2/16/10 APPROVED: 9/21/04													









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COLLEGE : J - Engineering  
 DEPARTMENT: HUMAN CTR DESIGN & 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 M S N	A S W T P R G						
HCDE 530	COMP CONCEPTS Computational Concepts in HCDE	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/14		APPROVED: 3/18/14											
HCDE 532	WEB DESIGN STUDIO Web Design Studio	AUT/2014 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/14		APPROVED: 3/18/14											
HCDE 534	DES HUM CEN VEN Designing a Human Centered Venture	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/19/12		APPROVED:12/18/12											
HCDE 535	CONTENT MANAGEMENT CONTENT MANAGEMENT  COMMENT:WAS T C 535	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/27/09		APPROVED: 6/25/03											
HCDE 536	INTER DESIGN PROTO Interaction Design and Prototyping  COMMENT:CHG TITLES, DESC, PREQ	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/14		APPROVED:11/20/12											
HCDE 537	USER-CTR WEB DESIGN User-Centered Web Design  COMMENT:CHG CRDT, 3-18-14 DESC, PREQ	SPR/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/14		APPROVED: 9/24/03											
HCDE 539	PHYS COMP & PROTO Physical Computing and Prototyping	SUM/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 6/03/14											
HCDE 541	GRANT WRITING Grant Writing for Career Development	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 542	THEORY FOUNDATIONS Theoretical Foundations in Human Centered Design and Engineering	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 543	EMPIRICAL TRADITNS Empirical Traditions in Human Centered Design and Engineering	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											



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COLLEGE : J - Engineering  
 DEPARTMENT: HUMAN CTR DESIGN & 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	M	S	N			
HCDE 544	RESEARCH METHODS I Research Methods I	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 545	RESEARCH METHODS II Research Methods II	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 546	DESIGN THINKING Design Thinking	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 547	ACAD DEV SEMINAR Academic Development Seminar	AUT/2012 - AUT/9999	1.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 548	ADV TOPICS HCDE Advanced Topics in Human Centered Design and Engineering	AUT/2012 - AUT/9999	4.0	20.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
HCDE 561	ADV JPN FOR PROF 1 Advanced Japanese for Technical and Business Professions 1	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/27/09		APPROVED: 2/21/01											
				COMMENT:WAS T C 561													
HCDE 562	ADV JPN FOR PROF 2 Advanced Japanese for Technical and Business Professions 2	WIN/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/09/09		APPROVED: 2/21/01											
				COMMENT:EMAIL PREQ CHG													
HCDE 563	ADV JPN FOR PROF 3 Advanced Japanese for Technical and Business Professions 3	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/27/09		APPROVED: 2/21/01											
				COMMENT:WAS T C 563													
HCDE 592	CAPSTONE PLANNING Capstone Planning	AUT/2014 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/14		APPROVED: 3/18/14											
HCDE 593	CAPSTONE Capstone	AUT/2014 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/08/14		APPROVED: 8/21/12											
				COMMENT:CHG PREQ, DESC													
				FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081													



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COLLEGE : J - Engineering  
 DEPARTMENT: INDUSTRIAL & SYSTEMS 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	M
IND E 101	INTRODUCTION TO IE Introduction to Industrial Engineering	SPR/2002 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 1/29/02		APPROVED: 1/28/02													
IND E 250	ENGR ECON Fundamentals of Engineering Economy	AUT/1999 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT:10/18/06		APPROVED: 3/15/99													
				COMMENT:WAS ENGR 250															
IND E 295	PRODUCT DISSECTION PRODUCT DISSECTION	SPR/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	M E	295	M E	295	.
				LAST UPDT: 2/11/08		APPROVED:12/27/95													
IND E 315	PROB & STAT FOR ENG Probability and Statistics for Engineers	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 3/04/16		APPROVED: 3/15/99													
				COMMENT:EMAIL PREQ CHG															
IND E 316	DES EXPR REGR ANLYS Design of Experiments and Regression Analysis	WIN/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	IND E 316	STAT	316	.	
				LAST UPDT: 3/04/16		APPROVED: 1/29/87													
				COMMENT:ADD MISSING PREQ															
IND E 321	STAT QUAL CONTROL Statistical Quality Control	WIN/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 3/04/16		APPROVED:12/18/86													
				COMMENT:WAS IND E 421;CHG CREDITS															
IND E 337	INTRO MANU SYSTEMS Introduction to Manufacturing Systems	WIN/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 9/28/09		APPROVED:12/18/86													
				COMMENT:WAS IND E 237; CHG CREDITS															
IND E 351	HUMAN FACTORS Human Factors in Design	WIN/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 8/26/04		APPROVED:12/18/86													
				COMMENT:CHG CREDITS, CONTACT HRS															
IND E 410	LINEAR & NETWORK PR Linear and Network Programming	SPR/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 9/28/09		APPROVED:12/18/86													
				COMMENT:WAS IND E 310															



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COLLEGE : J - Engineering  
 DEPARTMENT: INDUSTRIAL & SYSTEMS ENGR

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				-ALL	U		GRD	E	U	N	E	P	&	N			
IND E 495	I E DESIGN Industrial Engineering Design	WIN/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG CREDITS, CONTACT HRS				LAST UPDT:10/18/06		APPROVED:12/18/86											
IND E 496	TECH-BASED ENTREPRE Technology-Based Entrepreneurship	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	IND E 496 M E	496	.	
COMMENT:EMAIL PREQ CHG				LAST UPDT: 2/14/13		APPROVED: 1/24/96											
IND E 498	SPECIAL TOPICS I E Special Topics in Industrial Engineering	SUM/2011 - AUT/9999	1.0-05.0	9.0	.	.	.	.	.	.	.	.	.	.	.	.	
COMMENT:EMAIL PREQ CHG				LAST UPDT:11/15/10		APPROVED:12/18/86											
IND E 499	SPECIAL PROJECTS IE Special Projects	AUT/2010 - AUT/9999	2.0-05.0	12.0	Y	.	.	.	.	.	.	.	.	.	.	.	
COMMENT:CHG MAX CREDITS				LAST UPDT: 5/17/10		APPROVED:12/18/86											
IND E 508	STOC PROC IN ENGR Stochastic Processes in Engineering	WIN/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E 508 E E	508	.	
COMMENT:ADD JT TO EXISTING E E 508				LAST UPDT: 3/04/16		APPROVED: 7/16/70											
IND E 512	OPTIMIZATION MODELS Introduction to Optimization Models	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
COMMENT:END INITIAL DL				LAST UPDT:12/19/12		APPROVED:12/18/12											
IND E 513	LINEAR OPT ENG MODL Linear Optimization Models in Engineering	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
COMMENT:CONV TEMP TO PERM				LAST UPDT: 3/04/16		APPROVED: 6/28/93											
IND E 515	FUNDAMNTL OPTIMIZTN Fundamentals of Optimization	AUT/1999 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	MATH 515 AMATH 515	.	.	
COMMENT:CONV OF TEMP TO PERM				LAST UPDT: 3/22/16		APPROVED: 3/28/94		MATH 515									
IND E 516	APPL OPT ENG DESIGN Applications of Optimization in Engineering Design	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
COMMENT:DROP JT STATUS				LAST UPDT: 9/28/09		APPROVED: 2/28/94											

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COLLEGE : J - Engineering  
 DEPARTMENT: INDUSTRIAL & SYSTEMS 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			
IND E 518	SEMINAR IN MFG MGMT Seminars on Advances in Manufacturing and Management	AUT/1999 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	M E 518	M E 518	.
				LAST UPDT:10/18/06 APPROVED: 2/03/99													
IND E 521	QUAL CONTROL IN MFG Quality Control in Manufacturing	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 3/04/16 APPROVED: 6/28/93													
				COMMENT:CONV OF TEMP TO PERM													
IND E 524	ROB DES QLTY ENGR Robust Design and Quality Engineering	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 4/28/99 APPROVED: 1/24/96													
				COMMENT:CONV OF TEMP TO PERM													
IND E 526	RELIABILITY Reliability in Product Design and Testing	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 3/04/16 APPROVED: 6/28/93													
				COMMENT:CONV OF TEMP TO PERM													
IND E 531	CIM SYSTEMS Computer Integrated Manufacturing	WIN/2003 - AUT/2016	3.0	.	.	.	.	.	.	.	.	.	.	.	IND E 531	M E 505	.
				LAST UPDT: 3/22/16 APPROVED: 6/28/93 DROPPED: 3/15/16													
				COMMENT:CHG: ADD JOINT COURSE													
IND E 535	ENGINRNG SIMULATION Engineering Simulation	WIN/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 3/04/16 APPROVED: 6/28/93													
				COMMENT:CONV OF TEMP TO PERM													
IND E 537	INTRO MANUF SYSTEMS Introduction to Manufacturing Systems	AUT/2003 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	IND E 537	ENV H 537	.
				LAST UPDT: 3/04/05 APPROVED: 3/31/03													
IND E 541	HUMAN FACTORS ENGR HUMAN FACTORS ENGINEERING	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 4/28/99 APPROVED: 6/28/93													
				COMMENT:CONV OF TEMP TO PERM													
IND E 543	VIRTUAL INTRFC TECH Virtual Interface Technology	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 3/22/16 APPROVED: 6/28/93													



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COLLEGE : J - Engineering  
 DEPARTMENT: INDUSTRIAL & SYSTEMS ENGR

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				-ALL U	GRD		U N E	P & N C M S N	A S W T P R G								
IND E 570	SUPPLY CHAIN SYST Supply Chain Systems	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/02/00		APPROVED: 5/31/00											
IND E 575	INVENTORY MGMT Inventory Management	WIN/2014 - SPR/2017	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 503	SCTL 503	.	.
	COMMENT:INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
IND E 575	INVENTORY MGMT Inventory Management	SUM/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 503	SCTL 503	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
IND E 576	FAC DES & OP MGMT Facility Design and Operations Management	SPR/2014 - SUM/2017	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 504	SCTL 504	.	.
	COMMENT:INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
IND E 576	FAC DES & OP MGMT Facility Design and Operations Management	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	SCTL 504	SCTL 504	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 4/16/13		APPROVED: 4/16/13											
IND E 581	NAVIGATING BUSINESS Navigating the Business Environment	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/22/10		APPROVED: 6/15/10											
IND E 582	TECH LEADERSHIP Technical Leadership	WIN/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/22/10		APPROVED: 6/15/10											
IND E 583	DECISION ANALYSIS Decision Analysis in Engineering	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT:12/19/12		APPROVED:12/18/12											
IND E 584	PROJECT PERFORMANCE Project Performance	SUM/2013 - AUT/2016	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:INITIAL DL			LAST UPDT:12/19/12		APPROVED:12/18/12											





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COLLEGE : J - Engineering  
 DEPARTMENT: INDUSTRIAL & SYSTEMS ENGR

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V	E E W				RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U	N	E		L	I	E	C			
IND E 596	GISE PROJECT Global Integrated Systems Engineering Project	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	IND E 596 A A	596	.	
				LAST UPDT: 8/27/10		APPROVED: 8/24/10											
IND E 599	SPECIAL TOPICS IE Special Topics in Industrial Engineering	AUT/1999 - AUT/9999	1.0-05.0	9.0	Y	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 4/20/06		APPROVED: 6/28/93											
				COMMENT: CONV OF TEMP TO PERM													
IND E 600	INDEPN DNT STDY/RSCH Independent Study or Research	SUM/1998 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.			.	
				LAST UPDT: 4/19/10		APPROVED: 6/23/98											
IND E 700	MASTERS THESIS Master's Thesis	SUM/1998 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.			.	
				LAST UPDT: 4/19/10		APPROVED: 6/23/98											
IND E 800	DOCTORAL DISSERTATN Doctoral Dissertation	SUM/1998 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.			.	
				LAST UPDT: 4/19/10		APPROVED: 6/23/98											



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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	E	U	N	E	P	& N	C	M	S			
M E	354 MECH OF MAT LAB Mechanics of Materials Laboratory	AUT/1999 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	
	COMMENT:CHANGE CREDITS, DESC, PREREQS			LAST UPDT: 8/14/12 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	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 8/14/12 APPROVED: 2/03/99 FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081														
M E	356 MACHN DESGN ANLYS Machine Design Analysis	AUT/1996 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	
	COMMENT:WAS M E 353; CHG PREQ			LAST UPDT: 8/14/12 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	AUT/1996 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	COMMENT:CHANGE DESCRIPTION			LAST UPDT:10/20/06 APPROVED: 5/06/71														
M E	374 SYS DYN ANLYS & DES Systems Dynamic Analysis and Design	AUT/2008 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	COMMENT:CHG PREQ, CORRECTED 6/7/2007			LAST UPDT: 6/07/07 APPROVED:11/20/75														
M E	395 INTRO MECH DESIGN Introduction to Mechanical Design	SUM/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	COMMENT:EMAIL PREREQ CHANGE			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	SPR/2002 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	COMMENT:GENCAT REVIEW PREREQ CHANGE			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														

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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			
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	WIN/1976 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/20/06		COMMENT:CHG DESC											
M E	409	NUM CONTROL & CAM Introduction to Numerical Control and Computer-Aided Manufacturing	SPR/2002 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 8/14/12		APPROVED: 3/19/87											
				COMMENT:GENCAT REVIEW PREREQ CHANGE		FEE TYPE:1		\$35.00		BUDGET:069397		REV OBJ CD:943081					
M E	410	NANODEVICES Nanodevices: Design and Manufacture	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/06/12		APPROVED: 1/17/12											
M E	411	BIOFRAMEWORKS Biological Frameworks for Engineers	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12		APPROVED: 2/28/12											
M E	414	ENG INNOV MED Engineering Innovation and Medicine	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/06/16		APPROVED: 6/07/16											
M E	415	DESIGN FOR ENVIR Sustainability and Design for Environment	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	M E 415 CEE 495	.
				LAST UPDT: 8/12/09		APPROVED: 5/21/01		ENVIR 415									
				COMMENT:CHG JT STATUS													
M E	416	ENG INNOV MED DES Engineering Innovation in Medicine Design Preparation	WIN/2016 - WIN/2018	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/02/15		APPROVED:11/17/15		DROPPED:11/17/15									
M E	424	COMBUSTION SYSTEMS COMBUSTION SYSTEMS AND POLLUTANT FORMATION	AUT/1997 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 8/14/12		APPROVED:11/20/80											
				COMMENT:CHANGE DESCRIPTION		FEE TYPE:1		\$30.00		BUDGET:069397		REV OBJ CD:943081					
M E	425	HVAC HVAC Engineering	SPR/2000 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 8/14/12		COMMENT:CHANGE TITLES, DESCRIP		FEE TYPE:1		\$25.00		BUDGET:069397		REV OBJ CD:943081			

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
M E 426	RENEWABLE ENERGY II Renewable Energy II	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 7/23/15 APPROVED: 11/20/80																	
M E 428	NOISE CONTROL NOISE CONTROL	WIN/1974 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 10/20/06 APPROVED: 4/12/73																	
M E 430	ENERGY CONVERSION Advanced Energy Conversion Systems	SPR/1998 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 10/20/06 APPROVED: 6/28/73																	
COMMENT: CHANGE DESCRP, PREREQUISITES																	
M E 431	ADV FL MECH Advanced Fluid Mechanics	WIN/1987 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 10/20/06 APPROVED: 3/20/86																	
M E 432	GAS DYNAMICS GAS DYNAMICS	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 10/20/06																	
COMMENT: CHG TITLES																	
M E 433	TURBOMACHINERY Turbomachinery	SPR/1998 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 10/20/06 APPROVED: 10/12/72																	
COMMENT: CHANGE PREREQ, DESCRIP																	
M E 434	ADV MECH ENGR LAB ADVANCED MECHANICAL ENGINEERING LABORATORY	SPR/1980 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 10/20/06																	
COMMENT: CHG DESC																	
M E 436	FRICTION AND WEAR FRICTION AND WEAR OF MATERIALS	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 1/31/96																	
COMMENT: CHANGE DESCRIPTION																	
M E 440	ADV MECH OF MATLS Advanced Mechanics of Materials and Solids	AUT/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/23/99 APPROVED: 2/22/99																	
M E 442	RENEWABLE ENERGY Renewable Energy	SPR/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	Y	.	.	M E 442 CHEM E442	.
LAST UPDT: 3/19/14 APPROVED: 5/24/93																	
COMMENT: CHG PREQ - JT STATUS																	

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
M E 445	INTRO TO BIOMECH Introduction to Biomechanics	SPR/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	BIOEN 440	BIOEN 440	.	
COMMENT:CHG TITLES, CREDITS, COURSE DE				LAST UPDT:12/07/00		APPROVED:12/30/98											
M E 450	INTRO COMP MATL DES Introduction to Composite Materials and Design	AUT/1996 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.			.	
COMMENT:CHANGE PREREQ, DESCRIPTION				LAST UPDT: 8/14/12		APPROVED:10/22/87		FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081									
M E 459	INTRO FRACT MECH Introduction to Fracture Mechanics	SPR/2002 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
COMMENT:GENCAT REVIEW PREREQ CHANGE				LAST UPDT:10/20/06		APPROVED: 1/24/96											
M E 460	KIN & LINKAGE DESGN Kinematics and Linkage Design	WIN/1971 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT:12/12/08													
M E 461	THIN FILMS Mechanics of Thin Films	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 3/21/12		APPROVED: 3/20/12											
M E 465	WELDING DESIGN WELDING DESIGN	SPR/1970 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 7/22/09													
M E 468	AIR P CONT DESIGN Air-Pollution Control Equipment Design	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CEE 494	CHEM E468	.	
				LAST UPDT:10/20/06		APPROVED: 5/27/82		CEE 494									
M E 469	APPL OF DYN IN ENGR Applications of Dynamics in Engineering	AUT/1986 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.	
COMMENT:CHG CREDITS, PREQ				LAST UPDT:10/20/06													
M E 470	MECHANICAL VIBRATNS Mechanical Vibrations	SPR/1985 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 0/00/00													
M E 471	AUTOMATIC CONTROL Automatic Control	WIN/1990 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.			.	
COMMENT:CHG CREDITS, DESC				LAST UPDT: 8/14/12		FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081											











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				-ALL U	GRD		U N E	P	N	C	M	S	N	A			
M E 527	MUSCULOSKEL BIOMECH Musculoskeletal Biomechanics	SPR/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 520	BIOEN 520	.
				LAST UPDT: 3/19/14 APPROVED: 3/18/14													
M E 528	ACOSTCS ENVRN NOISE Acoustics of Environmental Noise	SUM/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	M E 528	CEE 554	.
				LAST UPDT:10/23/06 APPROVED: 7/16/70													
				COMMENT:CEE 554 FORMERLY CEWA 528													
M E 529	ADV ENERGY Advanced Energy Conservation Systems	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/12 APPROVED: 3/20/12													
M E 530	RADIATION Radiative Heat Transfer	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/30/13													
				COMMENT:CHG TITLES, DESC													
M E 531	CONDUCT HEAT TRANS Conductive Heat Transfer	SPR/1977 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00													
M E 532	CONVECT HEAT TRANS Convective Heat Transfer	WIN/1977 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00													
M E 533	FLUID MECHANICS FLUID MECHANICS	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06													
				COMMENT:CHG TITLES, DESC													
M E 534	FLUID MECHANICS Fluid Mechanics II	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/15/13													
				COMMENT:EMAIL PREQ CHG													
M E 535	COMPT TECHN MECH E Computational Techniques in Mechanical Engineering	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06													
				COMMENT:CHG TITLES													
M E 536	MICRO/NANOFLUIDS Micro and Nanoscale Fluid Transport Phenomena	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/11 APPROVED:12/20/11													

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				-ALL	U		GRD	E	U	N	E	P	&	N			
M E 537	TOPCS FLUID MECH Topics in Fluid Mechanics	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, DESC																
M E 538	ADVANCED FLUIDS Advanced Fluid Mechanics	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 539	RENEWABLE ENERGY I Renewable Energy I	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 540	RENEWABLE ENERGY II Renewable Energy II	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 541	FATIGUE MATLS Fatigue of Materials	SPR/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES																
M E 542	TPCS ENGR MATERIALS TOPICS IN ENGINEERING MATERIALS	SPR/1972 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 543	FLUID TURBULENCE Fluid Turbulence	AUT/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE DESCRIPTION, PREREQ																
M E 544	ADV FLUID TURB Advanced Turbulence Modeling Techniques	AUT/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE DESCRIPTION, PREREQ.																
M E 546	MICRO HEAT TRANSFER Micro-Scale Heat Transfer	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M E 547	LINEAR SYSTEMS Linear Systems Theory	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	E E	547 E E	547 .
	COMMENT:WAS M E 575; CHG PREREQ;JOINT#														A A	547	

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				-ALL U	GRD		U	N	E	P	& N	C	M	S			
M E	548 LIN MULTVAR CONTROL Linear Multivariable Control	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	548 A A	548 .	
	COMMENT: CHG PREREQ														E E	548	
M E	549 ST EST & KALMAN FLTR Estimation and System Identification	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	549 A A	549 .	
	COMMENT:EMAIL PREQ CHG														E E	549	
M E	550 NONLIN OPT CONTROL Nonlinear Optimal Control	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	550 A A	550 .	
	COMMENT:14-16 PREQ CHG														E E	550	
M E	551 ELASTICITY I Elasticity I: Elastostatics	AUT/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:CHG TITLES, DESC																
M E	552 VISCOELASTICITY Viscoelasticity and Plasticity	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:CHG TITLES, DESC																
M E	553 ADHESION MECHANICS Adhesion Mechanics	SPR/1986 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
M E	555 THERMOELASTICITY Thermoelasticity	SPR/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:CHANGE DESCRIPTION																
M E	556 EXP STRESS ANLYS I Experimental Stress Analysis I	SUM/1990 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.			.	
	COMMENT:CHG TITLES, DESC																
M E	557 EXP STRESS ANLYS II Experimental Stress Analysis II	SUM/1990 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.			.	
	COMMENT:CHG TITLES, DESC																

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				-ALL U	GRD		U N E	P & A	I & S	E C M S N	Q T P R G						
M E 558	EXP STRESS ANALYSIS EXPERIMENTAL STRESS ANALYSIS	WIN/1961 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/27/93													
M E 559	INTRO FRACT MECH Introduction to Fracture Mechanics	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, DESC			LAST UPDT:10/23/06													
M E 560	ADV THY FRACTURE ADVANCED THEORY OF FRACTURE	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, DESC			LAST UPDT:10/23/06 APPROVED: 4/12/73													
M E 561	THIN FILMS Mechanics of Thin Films	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/12 APPROVED: 3/20/12													
M E 562	INTRO ELECTRONC COMP Introduction to Electronic Composites	SPR/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	M E 562 MSE	562	.
	COMMENT:CHANGE TITLE & DESCRIPTION			LAST UPDT:10/23/06 APPROVED: 2/23/89													
M E 563	ADVANCED COMPOSITES Advanced Composites: Design and Manufacturing	SPR/1999 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	MSE 563 MSE	563	.
				LAST UPDT: 2/23/99 APPROVED: 2/22/99													
M E 564	MECHNCL ENGR ANLYS Mechanical Engineering Analysis	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES			LAST UPDT:10/23/06													
M E 565	MECHNCL ENGR ANLYS Mechanical Engineering Analysis	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES			LAST UPDT:10/23/06													
M E 566	RANDOM PROCESSES INTRODUCTION TO RANDOM PROCESSES	SPR/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE DESCRIPTION			LAST UPDT:10/23/06 APPROVED: 9/18/85													

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 DEPARTMENT: MECHANICAL 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		U N E	P	N	C	M	S	N				
M E	567 NANO-BIOSENSORS Micro- and Nanostructured Biosensors	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	M E	567 MOLENG567	.	
				LAST UPDT:12/20/15		APPROVED:12/15/15											
M E	568 ACT/SENSING MATR Active and Sensing Materials	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	M E	568 MSE	568	.
				LAST UPDT: 4/28/08		APPROVED: 4/15/08											
M E	570 MANIFOLDS AND GEOM Manifolds and Geometry for Systems and Control	AUT/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	A A	570 A A	570	.
				LAST UPDT: 4/05/07		APPROVED: 2/21/07											
M E	572 CONCEPTUAL DESIGN Methodologies for Engineering Design: Conceptual Design	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
				LAST UPDT: 6/14/96		APPROVED: 4/29/96											
M E	573 PROB MECH DESIGN METH FOR ENGR DESIGN:PROBABILISTIC MECHANICAL DESG	AUT/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
				LAST UPDT: 5/24/96		APPROVED: 4/29/96											
M E	578 CONVEX OPTIMIZATION Convex Optimization	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	A A	578 E E	578	.
				LAST UPDT: 2/26/16		APPROVED: 3/29/05											
M E	579 FLUID POWER SYSTEMS FLUID POWER SYSTEMS	SPR/1980 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
				LAST UPDT:10/23/06		COMMENT:CHG TITLES											
M E	580 GEOMETRIC METHODS Geometric Methods for Non-Linear Control Systems	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	A A	580 E E	580	.
				LAST UPDT: 2/25/16		APPROVED: 2/21/07											
M E	581 DIGITAL CONTROL Digital Control	SPR/2016 - AUT/2016	3.0	.	.	.	.	Y	.	.	.	.	.	M E	581 A A	581	.
				LAST UPDT: 6/13/16		APPROVED: 4/29/96											
				FEE TYPE:1		\$50.00 BUDGET:069397		REV OBJ CD:943081									
M E	581 DIGITAL CONTROL SYS Digital Control System Design	WIN/2017 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	M E	581 A A	581	.
				LAST UPDT: 6/13/16		APPROVED: 4/29/96											
				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	582 DISCRETE EVENT SYS Introduction to Discrete Event Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	M E	582 A A	582 .	
	COMMENT:CHG TITLES, DESCRIP, PREREQ														E E	582	
M E	583 NONLINEAR CONTR SYS Nonlinear Control Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	583 A A	583 .	
	COMMENT:CHANGE JOINT STATUS,DESC,PRERE														E E	583	
M E	584 COMBUS AIRB PROPLSN COMBUSTION IN AIRBREATHING PROPULSION	AUT/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:CHG TITLES																
M E	585 SYS ID & ADAPT CTRL System Identification and Adaptive Control	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	585 A A	585 .	
	COMMENT:EMAIL PREQ CHG														E E	585	
M E	588 DYNMCS AND VIBR Dynamics and Vibrations	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:WAS M E 568, CHG TITLES																
M E	589 VIBRATIONS Vibrations	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:CHG TITLES, DESC																
M E	590 VIBRATIONS VIBRATIONS	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
	COMMENT:CHG TITLES																
M 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 .	
	COMMENT:CHG TITLES, 5/13 RETRO MAX														CHEM E	591	
															E E	591	
M E	593 FEEDFORWARD CONTROL Feedforward Control	SPR/2006 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	M E	593 A A	593 .	
															E E	593	



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					-ALL	U		GRD	E	U		N	E	P			
MEIE 516	ADV ENGR STAT ADVANCED TOPICS IN ENGINEERING STATISTICS	SPR/1980 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS M E 516																
MEIE 599	SPECIAL PROJECT I E SPECIAL PROJECTS IN INDUSTRIAL ENGINEERING	AUT/1999 - AUT/9999	1.0-05.0	9.0 Y	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:RETURN FROM IND E 599																

LAST UPDT:10/18/06 APPROVED:11/18/79

LAST UPDT: 6/11/97 APPROVED: 6/28/93







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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 M S N	A S W T P R G						
MSE 473	NONCRYSTALLINE STATE Noncrystalline State	SPR/2003 - AUT/2016	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CERE 411;CHG TITLE,DES,PRE																
MSE 473	NONCRYSTALLINE STATE Noncrystalline State	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS MSE423;CHG TITLE,DESC,PRER																
MSE 475	COMPOSITE MATERIALS Introduction to Composite Materials	AUT/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CERE470;CHG TITLE,DESC,PRE																
MSE 477	HI-TEMP MATERIALS High Temperature Materials	SPR/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CERE470;CHG TITLE,DESC,PRE																
MSE 481	NANOSTRUCTURES Science and Technology of Nanostructures	WIN/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MSE 482	BIOMATS, TISSUE ENG Biomaterials/Nanomaterials in Tissue Engineering	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MSE 483	NANOMEDICINE Nanomedicine	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MSE 484	ELECT &OPTO POLYMERS Electronic and Optoelectronic Polymers	AUT/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	Y	.	.	CHEM 484	CHEM 484
MSE 485	ELECTRNC PACKAGING Introduction to Electronic Packaging and Materials	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	M E 485	M E 485
MSE 486	IC TECHNOLOGY Fundamentals of Integrated Circuit Technology	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	MSE 486	E E 486

FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081

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				-ALL	U		GRD	E	U	N	E	P	&	N			
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: 7/23/15 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	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													





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				-ALL U	GRD		E	U N E	P	& N C	M S N	A S W T P R G					
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	.	.	.	.	.	.	.	.	.	.	.	.	.	
				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 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													
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 570	MSE GRAD TUTORIAL Graduate Tutorial in Materials Science and Engineering	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 9/24/13 APPROVED: 9/17/13													

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				-ALL U	GRD		U	GRD	E	U	N	E	P	&				N	C
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													
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 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															