

DATE: 04-11-2016
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,169

COLLEGE : J - Engineering
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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M S T P	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
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/2000 -	AUT/9999	4.0	.	.	.	. . .	.					.
LAST UPDT:10/02/06 APPROVED: 6/03/71 COMMENT:EMAIL PREREQ CHANGE														

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L E C M T P	W R Q S T N P R G	RESPONS COURSE	JOINT COURSES	O M I T
A A	312	STRUCT VIBRATIONS Structural Vibrations	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/28/00 APPROVED: 7/29/71									
COMMENT:CD PROOF PREREQ CHANGE														
A A	320	AEROSPACE INSTR Aerospace Instrumentation	SUM/2013 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.
					LAST UPDT: 6/13/13 APPROVED: 5/22/63									
COMMENT:CHG DESC					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081									
A A	321	AEROSPACE LAB I Aerospace Laboratory I	WIN/2002 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.
					LAST UPDT: 7/17/15 APPROVED: 5/23/63									
COMMENT:CHANGE TITLES, CREDITS					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081									
A A	322	AEROSPACE LAB II Aerospace Laboratory II	SPR/2016 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.
					LAST UPDT: 2/17/16 APPROVED: 5/23/63									
					FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081									
A A	330	STRUCTRL ANLYS I STRUCTURAL ANALYSIS I	AUT/1996 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/02/97									
COMMENT:CHANGE DESCRIPTION														
A A	331	AEROSPACE STRUCT I Aerospace Structures I	SUM/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/13/13									
COMMENT:CHG DESC														
A A	332	AEROSPACE STRUCT II Aerospace Structures II	SUM/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/13/13									
COMMENT:CHG DESC														
A A	360	PROPULSION Propulsion	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/14/13 APPROVED:12/30/98									
COMMENT:EMAIL PREQ CHG														
A A	370	INTRO APPLIED ANLYS INTRODUCTION TO APPLIED ANALYSIS	SPR/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/03/97 APPROVED: 9/18/69									
COMMENT:CHANGE DESCRIPTION														

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P & A	E E C M S N	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
A A	400	GAS DYNAMICS Gas Dynamics	WIN/2010	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 3/24/10										
						COMMENT:10-12 PREQ CHG										
A A	401	FLUID MECHANICS FLUID MECHANICS	WIN/1984	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:10/02/06										
						COMMENT:CHANGE DESCRIPTION										
A A	402	FLUID MECHANICS Fluid Mechanics	SUM/2013	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 6/05/13										
						COMMENT:CHG DESC										
A A	405	AEROSPACE PLASMAS Introduction to Aerospace Plasmas	AUT/2000	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/28/00										
						COMMENT:CD PROOF PREREQ CHANGE										
A A	406	PLASMA PROC GAS DCH GAS DISCHARGES FOR PLASMA PROC & OTH APPLICATIONS	WIN/2000	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:10/02/06 APPROVED: 6/01/99										
						COMMENT:WAS ENGR 450										
A A	409	COMPUTER TOOLS COMPUTER TOOLS FOR AEROSPACE ENGINEERS	AUT/2007	- AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 5/16/07 APPROVED:12/30/98										
						COMMENT:CHG TITLES										
A A	410	AIRCRAFT DESIGN I Aircraft Design I	WIN/1991	- AUT/9999	4.0	.	.	12	.	Y	.	.	.	.	.	.
						LAST UPDT: 7/17/15										
						FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081										
A A	411	AIRCRAFT DESIGN II Aircraft Design II	AUT/2000	- AUT/9999	4.0	.	.	22	.	Y	.	.	.	.	.	.
						LAST UPDT: 7/17/15										
						FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081										
						COMMENT:EMAIL PREREQ CHANGE										
A A	419	AEROSPACE HEAT TSFR Aerospace Heat Transfer	AUT/2000	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/28/00 APPROVED:12/06/91										
						COMMENT:CD PROOF PREREQ CHANGE										

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A A	420	SPACE SYS DESIGN I Spacecraft and Space Systems Design I	WIN/1994 - AUT/9999	4.0	.	.	12	. . Y	.	.	.	.	.	.
					LAST UPDT: 7/17/15 APPROVED: 6/28/79									
					FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081									
A A	421	SPACE SYS DESIGN II Spacecraft and Space System Design II	AUT/2000 - AUT/9999	4.0	.	.	22	. . Y	.	.	.	.	.	.
					LAST UPDT: 7/17/15 APPROVED:10/27/89									
					FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081									
A A	430	FINTE ELEMENT ANALYS Finite Element Analysis in Aerospace	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09									
					COMMENT:CHG TITLES									
A A	431	PLATES AND SHELLS PLATES AND SHELLS	WIN/1976 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/03/97									
					COMMENT:CHANGE DESCRIPTION									
A A	432	AERO COMPOSITES Composite Materials for Aerospace Structures	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/28/00 APPROVED: 2/23/89									
					COMMENT:EMAIL PREREQ CHANGE									
A A	440	FLIGHT MECH I Flight Mechanics I	AUT/1966 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/24/10									
A A	441	FLIGHT TEST ENGR Flight Test Engineering	AUT/2010 - AUT/9999	3.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 7/17/15									
					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									

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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/9999	3.0	.	.	.	. . .		.	.	.	.	.
					LAST UPDT: 5/16/11 APPROVED:10/27/89									
					COMMENT:CHG DESC									
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									
A A	480	SYSTEMS DYNAMICS Systems Dynamics	AUT/2000 - AUT/9999	3.0	.	.	.	. . .		.	.	.	.	.
					LAST UPDT: 2/11/14									
					COMMENT:EMAIL PREREQ CHANGE									
A A	481	AEROELASTICITY INTRODUCTION TO AEROELASTICITY	SPR/1994 - AUT/9999	3.0	.	.	.	. . .		.	.	.	.	.
					LAST UPDT: 4/03/97									
					COMMENT:CHANGE DESCRIPTION									
A A	482	AERO ACOUSTICS AERONAUTICAL ACOUSTICS	AUT/1972 - AUT/9999	3.0	.	.	.	. . .		.	.	.	.	.
					LAST UPDT: 4/03/97 APPROVED: 4/27/72									
A A	496	UNDERGRAD SEMINAR Undergraduate Seminar	SPR/2009 - AUT/9999	1.0	4.0 .	CR/NC .	.	. . .		.	.	.	.	.
					LAST UPDT: 3/18/09 APPROVED:11/14/06									
					COMMENT:CHG MAX CREDITS									
A A	497	AERO INDUSTRY TOUR AEROSPACE INDUSTRY TOUR	SPR/2003 - AUT/9999	1.0	2.0 .	CR/NC .	.	. . .		.	.	.	.	.
					LAST UPDT: 3/19/03 APPROVED: 6/28/00									
					COMMENT:CORRECTION-ADD MAX CREDITS									

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A A	498 SPECIAL TOPICS Special Topics	WIN/2007	- AUT/9999	1.0-05.0	15.0 Y	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/14/06 APPROVED: 6/25/81									
COMMENT:CHG CREDITS, TITLES														
A A	499 UNDERGRAD RESEARCH Undergraduate Research	SPR/2006	- AUT/9999	1.0-05.0	10.0 Y	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/21/06									
COMMENT:CHG TITLES, DESCR														
A A	501 PHYS GASDYNMCS I Physical Gasdynamics I	WIN/1984	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/03/97									
COMMENT:CHANGE DESCRIPTION														
A A	502 PHYS GASDYNMCS II PHYSICAL GASDYNAMICS II	WIN/1984	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/03/97									
COMMENT:CHANGE DESCRIPTION														
A A	503 CONTINUUM MECH Continuum Mechanics	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	.	.	A A	503 M E	503 .
					LAST UPDT: 4/20/09									
COMMENT:CHG JT STATUS,WAS A A 575, DSC														
A A	504 COMP FLUID MECH Compressible Fluid Mechanics	SUM/2014	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/10/14									
COMMENT:EMAIL PREQ CHG														
A A	505 FLD MECH INVI FL I FLUID MECHANICS OF INVISCID FLOW I	WIN/1984	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/03/97									
COMMENT:CHANGE DESCRIP, PREREQUISITES														
A A	506 VORTEX-DOMIN FLOWS Vortex-Dominated Flows	SUM/2014	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/10/14 APPROVED: 5/20/08									
COMMENT:EMAIL PREQ CHG														
A A	507 FLUID MECHANICS Fluid Mechanics	SUM/2014	- AUT/9999	3.0	.	.	.	.	.	.	.	A A	507 M E	507 .
					LAST UPDT: 6/04/14									
COMMENT:CHG PREQ														

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A A	508	TURBULENCE Turbulence	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/04/15									
COMMENT:CHG TITLES, PREQ														
A A	509	CFD I COMPUTATIONAL FLUID DYNAMICS	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/28/05 APPROVED: 6/23/83									
COMMENT: SEE A A 543														
A A	510	MATH FOUND SYST THR Mathematical Foundations of Systems Theory	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	E E	510 E E	510 .
					LAST UPDT: 7/31/14									
COMMENT:14-16 PREQ CHG														
A A	513	GAS LASERS Gas Laser Theory and Practice	SPR/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/03/97 APPROVED: 3/18/71									
COMMENT:CHANGE DESCRIPTION														
A A	516	STAB & CON FLT VEH Stability and Control of Flight Vehicles	AUT/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/23/97									
COMMENT:CHANGE DESCRIPTION														
A A	518	AUTO CON FLT VEH Automatic Control of Flight Vehicles	SPR/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/23/97									
COMMENT:CHANGE DESCRIP, PREREQ														
A A	520	SEMINAR SEMINAR	AUT/1997 - AUT/9999	1.0	10.0	.	CR/NC	.	13	.	.	.	.	.
					LAST UPDT: 5/30/97									
COMMENT:CHANGE PREREQUISITE														
A A	523	SPEC TPC FLUID PHYS Special Topics in Fluid Physics	WIN/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/03/97									
A A	524	AEROACOUSTICS Aeroacoustics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/20/09 APPROVED: 5/29/92									
COMMENT:CHG TITLES, DESC														

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A A	525 SPECIAL TOPICS Special Topics in Advanced Airbreathing Engines	AUT/2009 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT:10/12/09								
COMMENT:CHG TITLES, DESC													
A A	526 AERO ENGINE SYSTEM AEROTHERMODYNAMICS OF AIRCRAFT ENGINE SYSTEMS	AUT/1992 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT:10/02/06 APPROVED: 5/29/92								
COMMENT:WAS A A 524													
A A	527 SPACE POWER SYSTEM Space Power Systems	WIN/2009 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT: 1/21/09 APPROVED: 1/20/09								
A A	528 SPACE DYN & CONTROL Spacecraft Dynamics and Control	WIN/2008 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT:10/30/07 APPROVED:10/30/07								
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													

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A A	534	COMPOSITE STRUCT	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Integrity of Composite Aircraft Structures					LAST UPDT:12/08/11 APPROVED: 9/15/09									
COMMENT:EMAIL PREQ CHG														
A A	535	ADV COMPOSITE STRUC	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	A A	535 M E	500 .
Advanced Composite Structural Analysis					LAST UPDT: 2/29/12 APPROVED: 2/28/12									
A A	538	STRUCTURAL OPTIM	SUM/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Introduction to Structural Optimization					LAST UPDT: 5/21/08 APPROVED: 5/20/08									
A A	540	FINITE ELM ANALYS I	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Finite Element Analysis I					LAST UPDT: 4/03/97									
COMMENT:CHANGE DESCRIPTION														
A A	541	FINITE ELM ANALYS II	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Finite Element Analysis II					LAST UPDT: 4/03/97									
COMMENT:CHANGE DESCRIPTION														
A A	543	CFD	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Computational Fluid Dynamics					LAST UPDT: 8/25/10									
COMMENT:CHG TITLES, DESC														
A A	544	TURBULENCE MODELING	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Turbulence Modeling and Simulation					LAST UPDT: 3/07/11 APPROVED: 6/23/83									
COMMENT:CHG TITLES, DESC, PREQ														
A A	545	COMP MTHDS PLASMAS	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Computational Methods for Plasmas					LAST UPDT:12/13/06 APPROVED:12/13/06									
A A	546	ADV TPCS CTRL SYST	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
Advanced Topics in Control System Theory					LAST UPDT: 3/31/05 APPROVED: 3/29/05									
A A	547	LINEAR SYSTEMS	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	E E	547 E E	547 .
Linear Systems Theory					LAST UPDT: 3/31/05 APPROVED: 6/21/99									
COMMENT:CHG JOINT #S, PREREQ					M E 547									

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A A	548 LIN MULTVAR CONTROL Linear Multivariable Control	AUT/2005 -	AUT/9999	3.0	.	.	.	.	.	.	.	E E	548 M E	548 .	
COMMENT: CHG PREREQ					LAST UPDT: 3/21/16								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					LAST UPDT: 3/21/16 APPROVED: 9/19/81								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					LAST UPDT: 7/31/14 APPROVED: 9/18/81								M E	550	
A A	551 AEROSPACE SYST II AEROSPACE SYSTEMS II	WIN/1970 -	AUT/9999	3.0	.	.	.	.	.	.	.			.	
					LAST UPDT: 1/27/93										
A A	552 NLINEAR PRBS AEROEL NONLINEAR PROBLEMS IN AEROELASTICITY	AUT/1993 -	AUT/9999	3.0	.	.	.	.	.	.	.			.	
COMMENT:WAS A A 557					LAST UPDT:10/02/06 APPROVED: 3/29/93										
A A	553 VIBR AEROSPACE SYS Vibrations of Aerospace Systems	SPR/1983 -	AUT/9999	3.0	.	.	.	.	.	.	.			.	
					LAST UPDT: 4/03/97										
A A	554 AEROELASTICITY Aeroelasticity	AUT/1993 -	AUT/9999	3.0	.	.	.	.	.	.	.			.	
COMMENT:WAS A A 556					LAST UPDT:10/02/06 APPROVED: 3/29/93										
A A	555 SPEC TPC AEROSP SYS SPECIAL TOPICS IN AEROSPACE SYSTEMS	AUT/1976 -	AUT/9999	3.0	.	.	.	.	.	.	.			.	
					LAST UPDT:10/02/06										
A A	556 SPACE AND LAB PHYS Space and Laboratory Plasma Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	ESS	576 ESS	576 .	
COMMENT:UPDATE JT COURSE					LAST UPDT: 3/21/16										

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COURSE		TITLE		EFFECTIVE QUARTERS		QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P A	E L N C M S W T	E E C Q T P R G	W R S N	RESPONS COURSE	JOINT COURSES	O M I T																					
A A	557	PHYS FUSION PLASMAS	SUM/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.				.																				
										LAST UPDT: 2/03/98										APPROVED: 1/29/98																			
A A	558	PLASMA THEORY	SUM/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.				.																				
										LAST UPDT: 2/02/98																													
										COMMENT:REPLACES A A 557																													
A A	559	PLASMA SCIENCE SMNR	SUM/1998 - AUT/9999	1.0	30.0	.	CR/NC	.		.	.	.	.	.	.				.																				
										LAST UPDT: 5/16/13										APPROVED: 1/24/96																			
										COMMENT:WAS A A 558, 5/2013 RETRO MAX																													
A A	560	PLASMA DIAGNOSTICS	WIN/2007 - AUT/9999	3.0		.		.		.	.	.	.	.	.				.																				
										LAST UPDT:12/13/06										APPROVED:12/13/06																			
A A	564	KIN THRY RADIAT TR	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.				.																				
										LAST UPDT: 4/20/09																													
										COMMENT:WAS A A 503																													
A A	565	FUSION REACTOR FNDM	WIN/1993 - AUT/9999	3.0		.		.		.	.	.	.	.	.				.																				
										LAST UPDT:10/02/06										APPROVED: 3/29/93																			
										COMMENT:WAS NUC E 565																													
A A	570	MANIFOLDS AND GEOM	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	AUT/1969 - AUT/9999	3.0		.		.		.	.	.	.	.	.				.																				
										LAST UPDT: 0/00/00																													
A A	578	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	SPR/2007 - AUT/9999	3.0		.		.		.	.	.	.	.	.	A A	580	E E	580	.																			
										LAST UPDT: 2/25/16										APPROVED: 2/21/07																			
																				M E 580																			

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A A	581 DIGITAL CONTROL Digital Control	SPR/2016 -	AUT/9999	3.0	.	.	.	. . Y	.	.	.	M E	581 E E	581 .
LAST UPDT: 1/27/16 APPROVED: 4/29/96														
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 .
LAST UPDT: 3/22/16 APPROVED: 4/29/96														
COMMENT:CHG TITLES, DESCRIP, PREREQ														
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														
COMMENT:CHANGED JOINT STATUS-NEW A A														
A A	585 SYS ID & ADAPT CTRL System Identification and Adaptive Control	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	E E	585 E E	585 .
LAST UPDT: 4/24/12 APPROVED: 3/29/05														
COMMENT:EMAIL PREQ CHG														
A A	589 SPEC TPCS SOLD MECH Special Topics in Solid Mechanics	AUT/2005 -	AUT/9999	4.0	.	.	.	.	.	.	.			.
LAST UPDT: 9/28/09														
COMMENT:WAS A A 583														
A A	590 SPCL TPC APPL ANLYS SPECIAL TOPICS IN APPLIED ANALYSIS	AUT/1976 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
LAST UPDT: 4/03/97 APPROVED: 7/29/71														
A A	591 ROBOT & CONTR COLL Robotics and Control Systems Colloquium	AUT/1996 -	AUT/9999	1.0	30.0	Y	CR/NC	.	.	.	.	A A	591 CHEM E591	.
LAST UPDT: 5/16/13 APPROVED:10/27/93														
COMMENT:5-16 RETRO MAX														
A A	593 FEEDFORWARD CONTROL Feedforward Control	SPR/2006 -	AUT/9999	3.0	.	.	.	.	.	.	.	M E	593 E E	593 .
LAST UPDT: 3/22/16 APPROVED: 4/25/05														
COMMENT:CHG PREQ														
A A	594 ROBUST CONTROL Robust Control	WIN/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	A A	594 E E	594 .
LAST UPDT: 8/17/09 APPROVED: 3/29/05														
COMMENT:CHG PREQ														

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A A	595	GLBL INT SYS ENGR Global Integrated Systems Engineering	AUT/2010 - AUT/9999	4.0-06.0	10.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.	IND E 595	IND E 595	.
						LAST UPDT: 3/04/16 APPROVED: 6/17/08																
						COMMENT:CHG CREDITS, DESC, HOURS																
A A	596	GISE PROJECT Global Integrated Systems Engineering Project	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	IND E 596	IND E 596	.
						LAST UPDT: 8/27/10 APPROVED: 8/24/10																
A A	597	NETWORKED DYN SYS Networked Dynamics Systems	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A A 597	E E 597	.	
						LAST UPDT: 2/20/08 APPROVED: 2/19/08																
						M E 597																
A A	598	SPECIAL TOPICS Special Topics in Aeronautics and Astronautics	AUT/2009 - AUT/9999	1.0-05.0	30.0	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/16/13 APPROVED: 6/16/09																
						COMMENT:5/2013 RETRO MAX																
A A	599	SPECIAL PROJECTS Special Projects	SPR/1976 - AUT/9999	1.0-05.0	30.0	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/16/13																
						COMMENT:5/2013 RETRO MAX																
A A	600	INDEPN DNT STDY/RSCH Independent Study or Research	SUM/1969 - AUT/9999	0.0	999.0	Y	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/07/12																
A A	700	MASTERS THESIS Master's Thesis	WIN/1963 - AUT/9999	0.0	999.0	Y	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/07/12 APPROVED: 1/01/70																
A A	800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/1970 - AUT/9999	0.0	999.0	Y	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/07/12 APPROVED: 1/01/70																

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COURSE CURRIC	NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P A	E L C M S T P	R Q T N G	RESPONS COURSE	JOINT COURSES		OMIT	
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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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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CHEM E 341	ENERGY & ENVIRON Energy and Environment	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	Y	.	CHEM E341 M E	341	.		
COMMENT:CHG RESP DEPT					LAST UPDT: 2/19/14					APPROVED: 1/24/94					ENVIR	341
CHEM E 345	INTRO FUEL CELLS INTRODUCTION TO FUEL CELLS	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
COMMENT:12-14 PREQ CHG					LAST UPDT:12/11/12					APPROVED: 6/25/03						
CHEM E 355	BIO FOR ENGINEERS Biological Frameworks for Engineers	WIN/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
COMMENT:EMAIL PREQ CHG					LAST UPDT:11/14/14					APPROVED: 2/25/02						
CHEM E 375	CH E COMPUTR SKILLS Chemical Engineering Computer Skills	WIN/2010 -	AUT/9999	2.0	.	.	.	.	.	.	.			.		
COMMENT:CHG GRADING					LAST UPDT:10/16/09					APPROVED: 6/25/03						
CHEM E 435	TRANSP PROCESS III Transport Processes III	AUT/1973 -	AUT/9999	4.0	.	.	.	.	.	.	.			.		
					LAST UPDT: 7/10/09											
CHEM E 436	CHEM ENGR LAB I Chemical Engineering Laboratory I	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
COMMENT:12-14 PREQ CHG					LAST UPDT: 7/13/12											
CHEM E 437	CHEM ENGR LAB II Chemical Engineering Laboratory II	WIN/1974 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
					LAST UPDT: 7/10/09											
CHEM E 442	RENEWABLE ENERGY Renewable Energy	SPR/2014 -	AUT/9999	4.0	.	.	.	.	.	Y	.	M E	442 M E	442		
COMMENT:CHG PREQ - JT STATUS					LAST UPDT: 3/19/14					APPROVED: 5/24/93						
CHEM E 445	FUEL CELL ENGR Fuel Cell Engineering	SPR/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
					LAST UPDT: 8/25/00					APPROVED: 8/23/00						

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CHEM E 450	SLD MTLS& CHEM PROC SOLID STATE MATERIALS AND CHEMICAL PROCESSES	AUT/2012 - AUT/9999	3.0	.	.	. . .		.				.				
COMMENT:12-14 DESC, PREQ CHG				LAST UPDT: 7/13/12 APPROVED: 5/30/91												
CHEM E 455	SURF COLL SCI LAB Surface and Colloid Science Laboratory	WIN/2010 - AUT/9999	3.0	.	.	. . .		.				.				
COMMENT:CHG CREDITS, PREQ, DESC				LAST UPDT: 6/17/09 APPROVED: 3/01/80												
CHEM E 457	PRIN MOLECULAR ENGR Principles of Molecular Engineering	SPR/2013 - AUT/9999	3.0	.	.	. . .		.				.				
				LAST UPDT:12/19/12 APPROVED:12/18/12												
CHEM E 458	SURFACE ANALYSIS Surface Analysis	WIN/1989 - AUT/9999	3.0	.	.	. . .		.	BIOEN 492	BIOEN 492		.				
				LAST UPDT:10/17/00 APPROVED:12/17/87												
CHEM E 461	ELECTROCHEMICAL ENG Electrochemical Engineering	WIN/1993 - AUT/9999	3.0	.	.	. . .		.				.				
				LAST UPDT:12/14/92 APPROVED: 5/29/92												
CHEM E 465	REACTOR DESIGN Reactor Design	WIN/2008 - AUT/9999	4.0	.	.	. . .		.				.				
COMMENT:CHG DESC				LAST UPDT: 6/21/07												
CHEM E 467	BIOCHEMICAL ENGRING Biochemical Engineering	WIN/1988 - AUT/9999	3.0	.	.	. . .		.	CHEM E467	BIOEN 467		.				
				LAST UPDT:10/04/94 APPROVED:12/17/87												
CHEM E 468	AIR P CONT DESIGN AIR POLUTION CONTROL EQUIPMENT DESIGN	SUM/2000 - AUT/9999	3.0	.	.	. . .		.	CEE 494	CEE 494		.				
				LAST UPDT:12/11/12 APPROVED: 5/27/82								M E 468				
CHEM E 480	PROC DYNM & CONTRL Process Dynamics and Control	WIN/2008 - AUT/9999	4.0	.	.	. . .		.				.				
COMMENT:CHG DESC				LAST UPDT: 6/21/07												
CHEM E 481	PROCESS OPTIMIZATN Process Optimization	SPR/1968 - AUT/9999	3.0	.	.	. . .		.				.				
				LAST UPDT: 6/06/06												

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
CHEM E 482	ADVANCED CONTROL Advanced Topics in Process Control	SPR/1988 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/14/94 APPROVED:12/01/87									
CHEM E 484	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 485	PROCESS DESIGN I Process Design I	WIN/2008 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG DESC					LAST UPDT: 6/21/07 APPROVED: 4/01/80									
CHEM E 486	PROCESS DESIGN II Process Design II	AUT/2012 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.
COMMENT:12-14 DESC CHG					LAST UPDT: 7/13/12									
CHEM E 490	ENG MATLS BIOMED AP Engineering Materials for Biomedical Applications	SPR/1978 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 490	BIOEN 490	.
COMMENT:NEW DESCRIPTION					LAST UPDT:10/02/06 APPROVED: 9/23/71									
CHEM E 491	CONTROLLED REL SYS Controlled-Release Systems	WIN/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 491	BIOEN 491	.
COMMENT:CHANGE TITLES					LAST UPDT: 4/16/14 APPROVED:11/17/77									
CHEM E 493	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 493	BIOEN 493	.
LAST UPDT: 4/18/12 APPROVED: 4/17/12														
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	.	.	.	.	.	.	.	.
COMMENT:RICHLAND ADDED 01-24-1980					LAST UPDT:10/02/06 APPROVED: 6/07/79									

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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														
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														
CHEM E 525	CHEM ENGR THERMDYND Chemical Engineering Thermodynamics	AUT/1972 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/02/06									
COMMENT:CHG CREDITS														
CHEM E 526	TPCS IN THERMODYNAM TOPICS IN THERMODYNAMICS	AUT/1982 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/11/12									
COMMENT:CHG DESC														

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CHEM E 530	MOMNT,HT,MS TR I Momentum, Heat, and Mass Transfer I	AUT/1986 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/26/10													
CHEM E 531	MOMNT,HT,MS TR II Momentum, Heat, and Mass Transfer II	WIN/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/02/06 APPROVED: 5/23/63													
COMMENT:CHANGE CREDITS													
CHEM E 532	SEPARATION PROCESS SEPARATION PROCESSES	AUT/1982 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/02/06													
COMMENT:CHG DESC													
CHEM E 533	MASS TRANSFER MASS TRANSFER	WIN/1982 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 0/00/00 APPROVED: 9/01/81													
CHEM E 554	NANOSCALE SCI I Nanoscale Science I: Contact Mechanics and Rheology	SPR/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 1/30/98 APPROVED:10/23/97													
CHEM E 555	INTERFACL PHENOMENA Interfacial Phenomena	WIN/1984 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/02/06													
COMMENT:RTRN CHG CREDITS													
CHEM E 556	COLLOIDAL SYSTEMS Colloidal Systems	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/26/14 APPROVED: 3/02/72													
COMMENT:CHG TITLES, CREDITS, DESC													
CHEM E 557	RES INTERF COLL SCI RESEARCH IN INTERFACIAL AND COLLOID SCIENCE	AUT/1997 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.
LAST UPDT:12/11/12 APPROVED: 4/15/97													
CHEM E 558	SURFACE ANALYSIS Surface Analysis	WIN/1985 - AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 592	BIOEN 592	.
LAST UPDT:10/17/00 APPROVED:10/25/84													
CHEM E 560	REACTNS AT SURFACES Reactions at Solid Surfaces	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 7/13/12 APPROVED:12/17/87													
COMMENT:12-14 DESC, PREQ CHG													

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D		S H F		V		L		E E		W		O			
CURRIC	NUM				MAX	U	GRD	E	U N E	P	I	E C Q T	N C M S N	A S W T P R G	COURSE	COURSES	I	T				
CHEM E 561		ELECTRONS AT SURFS ELECTRONS AT SURFACES	WIN/1997 - AUT/9999	3.0	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT:11/25/96				APPROVED:11/18/96													
CHEM E 564		APPL CHEM KINETICS APPLICATIONS OF CHEMICAL KINETICS	AUT/1982 - AUT/9999	3.0	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT:12/11/12				APPROVED: 2/18/71													
COMMENT:CHG DESC																						
CHEM E 565		KINETIC & CATALYSIS Kinetics and Catalysis	WIN/1978 - AUT/9999	3.0	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT: 0/00/00																	
CHEM E 566		GAS AIR POLL CONT CONTROL OF GASEOUS AIR POLLUTANTS	WIN/2001 - AUT/9999	3.0	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT: 2/07/14				APPROVED:12/01/83										CHEM E566 CEE	558	.	
COMMENT:CHG JT STATUS																						
CHEM E 567		PART AIR POLL CONT CONTROL OF PARTICULATE AIR POLLUTANTS	AUT/1984 - AUT/9999	3.0	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT: 2/07/14				APPROVED:12/15/83										CHEM E567 CEE	559	.	
CHEM E 570		HIGH POLYMERS CHEMISTRY OF HIGH POLYMERS	SPR/1972 - AUT/9999	3.0	6.0	Y	.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT: 8/02/13																	
CHEM E 571		POLY PHYS ENGR POLYMER PHYSICS AND ENGINEERING	SPR/1978 - AUT/9999	3.0	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT: 0/00/00				APPROVED:10/01/77													
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	.		.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT:12/11/12				APPROVED: 5/23/63													
COMMENT:CHG TITLES, CREDITS																						
CHEM E 580		TOPICS CH E DESIGN Topics in Chemical Engineering Design	AUT/2012 - AUT/9999	3.0	9.0	Y	.		.	.	.	.	.	.	.	.	.	.	.			
					LAST UPDT: 9/17/12				APPROVED: 3/28/74													
COMMENT:12-14 DESC CHG																						

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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	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/26/03 APPROVED: 6/25/03									
					COMMENT:CONVERSION OF TEMP COURSE									
CHEM E 588	RES APPL MICROBIOL Research in Applied Microbiology	AUT/1997 -	AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	CHEM E588 MICROM588	.
					LAST UPDT: 5/02/13 APPROVED: 4/15/97									
					COMMENT:5/2013 RETRO MAX									
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	.
					LAST UPDT: 5/16/13 APPROVED:10/27/93									
					COMMENT:5/2013 RETRO MAX									
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	.	.	.	.	.	.	.	.
					LAST UPDT:11/19/08									
					COMMENT:CHG CREDITS									
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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NME 220	MOL/NANO PRINCIPLES Introduction to Molecular and Nanoscale Principles	WIN/2011 - AUT/9999	4.0		.	.	.	.	.	Y	.	.	.	.
COMMENT:WAS CHEM E 220					LAST UPDT: 6/17/10 APPROVED: 1/20/09									
NME 221	NANO MOL ENG SEM I Nanoscience and Molecular Engineering Seminar I	SUM/2010 - AUT/9999	1.0		.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/10 APPROVED: 5/18/10									
NME 321	NANO MOL ENG SEM II Nanoscience and Molecular Engineering Seminar II	SPR/2011 - AUT/9999	1.0		.	CR/NC	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 5/19/11 APPROVED: 5/18/10									
NME 421	NANO MOL ENG SEM III Nanoscience and Molecular Engineering Seminar III	SUM/2010 - AUT/9999	1.0		.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/10 APPROVED: 5/18/10									
NME 498	SPECIAL TOPICS Special Topics in Nanoscience and Molecular Engineering	AUT/2010 - AUT/9999	1.0-04.0	12.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/10 APPROVED: 5/18/10									

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CEE 100	CIV & ENVR ENGR Twenty-First Century Civil and Environmental Engineering	WIN/2007 - AUT/9999	1.0	. CR/NC . LAST UPDT:	.	.	.	.	.	.	.
				UPDT:11/14/06	APPROVED:11/14/06						
CEE 220	INTRO MECH OF MATLS Introductory 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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						-ALL	U										
CEE	316	SURV ENGR SURVEYING ENGINEERING	AUT/2010	- AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 2/07/14 APPROVED:12/01/00											
						FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081											
CEE	317	GEOSURVEYING GeoSurveying	AUT/2013	- AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 2/26/13 APPROVED: 6/19/12											
						FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081											
CEE	320	TRANSPORTATION ENGR TRANSPORTATION ENGINEERING I	AUT/2010	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/07/14 APPROVED:12/01/99											
						COMMENT:EMAIL PREQ CHG											
CEE	327	TRANSPORTATION ENGR Transportation Engineering	AUT/2012	- AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 6/20/12 APPROVED: 6/19/12											
CEE	337	CONSTR MATERIALS Construction Materials	AUT/2012	- AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT:12/11/12 APPROVED: 6/19/12											
						FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081											
CEE	342	FLUID MECHANICS FLUID MECHANICS	AUT/2008	- AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 2/07/14 APPROVED:12/01/99											
						FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081											
CEE	345	HYDRAULIC ENGR HYDRAULIC ENGINEERING	AUT/2004	- AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 2/07/14 APPROVED:12/01/99											
						FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081											
CEE	347	FLUID MECHANICS Introduction to Fluid Mechanics	AUT/2012	- AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 7/31/12 APPROVED: 6/19/12											
						FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081											
CEE	350	ENV ENG WATER-AIR ENVIRONMENTAL ENGINEERING - WATER AND AIR QUALITY	AUT/2010	- AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/07/14 APPROVED:12/01/99											
						COMMENT:EMAIL PREQ CHG											

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D	D	S H F	V	E	W									
CURRIC	NUM				MAX	ALL U	GRD	E	U N E	L I	P & N	C M	S N	RESPONS	JOINT				
CEE	357	ENVIRONMENTAL ENGR Environmental Engineering	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/07/13 APPROVED: 6/19/12														
CEE	360	SUSTAINABILITY SUSTAINABILITY IN CIVIL ENGINEERING	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/07/14 APPROVED:12/16/08														
CEE	363	CONSTRN MATERIALS CONSTRUCTION MATERIALS	AUT/2012 - AUT/9999	4.0	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
COMMENT:12-14 TITLE CHG					LAST UPDT: 2/07/14 APPROVED:12/01/99														
					FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081														
CEE	366	BASIC SOIL MECH BASIC SOIL MECHANICS	AUT/2008 - AUT/9999	4.0	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG PREQ,DESC VIA 08-10 UPDATE					LAST UPDT: 2/07/14 APPROVED:12/01/99														
					FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081														
CEE	367	GEOTECHNICAL ENGR Geotechnical Engineering	AUT/2012 - AUT/9999	5.0	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
COMMENT:12-12 ADD FEE					LAST UPDT:12/11/12 APPROVED: 6/19/12														
					FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081														
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														

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						-ALL MAX	U P	GRD SYS	E D	HYPH	U M	N R	E E	P A	& S	N W	C T	M P				S R
CEE	391	COMPUTER-AIDED DES GRAPHICS COMMUNICATION AND COMPUTER-AIDED DESIGN	AUT/2010 - AUT/9999		3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
						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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/07/14 APPROVED: 8/24/05																
						COMMENT:PREQ CHG PER 08-10 UPDATE																
CEE	404	INFRASTRUCTURE CONS Infrastructure Construction	AUT/2014 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 7/23/14 APPROVED: 1/25/06																
						COMMENT:14-16 DESC CHG																
CEE	409	ENGR ROME: STDY ABRD Engineering Rome: Study Abroad	SPR/2015 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:12/16/14 APPROVED: 5/15/12																
						COMMENT:CHG CREDITS, HYPHEN																
CEE	410	TRAFFIC ENGR FUND Traffic Engineering Fundamentals	AUT/2013 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/07/13 APPROVED:12/01/99																
						COMMENT:EMAIL PREQ CHG																
CEE	412	TRANS DATA MGMT Transportation Data Management	AUT/2013 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 5/16/13 APPROVED: 1/31/05																
						COMMENT:EMAIL PREQ CHG																
CEE	413	TRANS TECH AND SYS TRANSPORTATION TECHNOLOGIES AND SYSTEMS	SUM/2000 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:10/05/06 APPROVED:12/01/99																
						COMMENT:WAS CIVE 413																
CEE	416	URBAN TRAN PLG/DES Urban Transportation Planning and Design	AUT/2013 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/07/13 APPROVED:12/01/99																
						COMMENT:EMAIL PREQ CHG																
CEE	417	URB TRANS DMND FORE URBAN TRANSPORTATION DEMAND FORECASTING	SUM/2000 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:10/05/06 APPROVED:12/01/99																
						COMMENT:WAS CIVE 417																

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CEE	418	COMP-AIDED PLAN Computer-Aided Planning of Urban Systems	SUM/2000 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	CEE	418	URBDP	429	.	
						LAST UPDT: 3/31/14 APPROVED: 6/29/78																
						COMMENT:WAS CIVE 418																
CEE	420	ENGR DEVLPIG COMM Engineering with Developing Communities	SPR/2015 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 1/07/15 APPROVED:12/16/14																
CEE	421	PAVMNT DSGN Pavement Design	AUT/2014 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 7/23/14 APPROVED:12/01/99																
						COMMENT:14-16 DESC CHG																
CEE	422	ENERGY AND TRANS Energy and Transportation	SPR/2015 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:12/17/14 APPROVED:12/16/14																
CEE	424	GIS FOR CIV ENGRS GIS for Civil Engineers	AUT/2015 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 7/23/15 APPROVED: 4/25/05																
CEE	425	REINF CONC CONST Reinforced Concrete Construction	AUT/2014 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 7/23/14 APPROVED: 2/27/04																
						COMMENT:14-16 PREQ CHG																
CEE	426	BDRY SURV/PLAT DSGN BOUNDARY SURVEYS AND PLAT DESIGN	SUM/2000 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/05/06 APPROVED:12/01/99																
						COMMENT:WAS CIVE 426																
CEE	427	CONSTR SURV CONTROL CONSTRUCTION SURVEY CONTROL	SUM/2000 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/05/06 APPROVED:12/01/99																
						COMMENT:WAS CIVE 427																
CEE	428	CEMENT COMPOSITES Lightweight Cementitious Composites	AUT/2012 - AUT/9999	0.0-02.0	2.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/14/13 APPROVED: 5/17/06																
						COMMENT:CHG DESC																

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CEE 429	SUST BLDG INFRA Sustainability in Building Infrastructure	AUT/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT: 7/23/15		APPROVED: 2/17/15							
CEE 430	PROF PRACT ISSUES ISSUES IN PROFESSIONAL ENGINEERING PRACTICE	SUM/2000 -	AUT/9999	3.0	.	.	.	.	.	Y	.			.
					LAST UPDT:10/05/06		APPROVED:12/01/99							
					COMMENT:WAS CIVE 430									
CEE 431	SEIS & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	Y	.	CEE 431	ESS 465	.
					LAST UPDT: 9/06/12		APPROVED:12/01/99							
					COMMENT:UPDATE PREQ									
CEE 436	FNDN DESIGN Foundation Design	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT: 2/07/13		APPROVED:12/01/99							
					COMMENT:EMAIL PREQ CHG									
CEE 437	ENGINEER GEOLOGY I Engineering Geology I	AUT/2008 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT: 1/02/08		APPROVED:12/01/99							
					COMMENT:CHG DESC PER 08-10 UPDATE									
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									

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER	D		D	S	H	F	V	L	E	E	W	R							
CURRIC	NUM				-ALL	U	GRD	E	U	N	E	P	&	N	C	M	S	N	RESPONS	JOINT	O			
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	I	T	
CEE	445	ENV ENG DES CAPSTONE Environmental Engineering Capstone Design Project	AUT/2013 - AUT/9999	5.0	.	.		.	.	.	.	.	.	.	.	.	.	.	.			.		
COMMENT:CHG CREDITS, 2/7/13 EMAIL PREQ					LAST UPDT: 2/07/13		APPROVED:12/20/99																	
CEE	451	DES MET STRUC Design of Metal Structures	AUT/2014 - AUT/9999	3.0	.	.		.	.	.	.	.	.	.	.	.	.	.	.			.		
COMMENT:14-16 PREQ CHG					LAST UPDT: 7/23/14		APPROVED:12/01/99																	
CEE	452	DES REINF CONCR STR Design of Reinforced Concrete Structures	AUT/2014 - AUT/9999	3.0	.	.		.	.	.	Y	.	.	.	.	.	.	.	.			.		
COMMENT:14-16 PREQ CHG					LAST UPDT: 6/29/15		APPROVED:12/01/99																	
					FEE TYPE:1		\$105.00 BUDGET:069644 REV OBJ CD:943081																	
CEE	453	PRESTRESSED CON DES Prestressed Concrete Design	WIN/2008 - AUT/9999	3.0	.	.		.	.	.	.	.	.	.	.	.	.	.	.			.		
COMMENT:EMAIL PREREQ CHANGE					LAST UPDT: 7/24/07		APPROVED:12/06/91																	
CEE	454	DSGN TIMBER STRUCTS Design of Timber Structures	WIN/2013 - AUT/9999	3.0	.	.		.	.	.	.	.	.	.	.	.	.	.	.			.		
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/07/13		APPROVED:12/06/91																	
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																	

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	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	R E C Q T L E C M S N W R	RESPONS COURSE	JOINT COURSES	
CEE 459	ADV STRUCT MECH Advanced Structural Mechanics	AUT/2013 - AUT/9999	3.0	.	.	. . .		.			.
				LAST UPDT: 5/16/13 APPROVED:12/01/99							
				COMMENT:EMAIL PREQ CHG							
CEE 462	APPLIED LIMNOLOGY Applied Limnology and Pollutant Effects on Freshwater	SPR/2008 - AUT/9999	3.0	.	.	. . Y	. . Y	.			.
				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		.
				LAST UPDT: 3/22/16 APPROVED: 3/29/05							
				FEE TYPE:1	\$125.00	BUDGET:069602	REV OBJ CD:943081		FISH 474		.
				COMMENT:MOVE JT COLLEGE							
CEE 472	HYDR IN WATER RSRCS Introduction to Hydraulics in Water Resources	AUT/2013 - AUT/9999	3.0	.	.	. . .		.			.
				LAST UPDT: 5/16/13 APPROVED:12/01/99							
				COMMENT:EMAIL PREQ CHG							
CEE 473	COASTAL ENGRNG I Coastal Engineering I	AUT/2014 - AUT/9999	3.0	.	.	. . Y		.			.
				LAST UPDT: 7/23/14 APPROVED:12/01/99							
				FEE TYPE:1	\$35.00	BUDGET:069644	REV OBJ CD:943081				
CEE 474	SEDIMENT TRANSPORT Hydraulics of Sediment Transport	AUT/2013 - AUT/9999	3.0	.	.	. . .		.			.
				LAST UPDT: 2/07/13 APPROVED:12/01/99							
				COMMENT:EMAIL PREQ CHG							
CEE 475	GROUNDWATER FLOW Analysis Techniques for Groundwater Flow	AUT/2014 - AUT/9999	3.0	.	.	. . .		.			.
				LAST UPDT: 7/23/14 APPROVED:12/01/99							
				COMMENT:14-16 DESC							
CEE 476	PHYSICAL HYDROLOGY Physical Hydrology	AUT/2013 - AUT/9999	3.0	.	.	. . .		.			.
				LAST UPDT: 2/07/13 APPROVED:12/01/99							
				COMMENT:EMAIL PREQ CHG							
CEE 477	OPEN-CHANNEL FLOW Open-Channel Flow	AUT/2014 - AUT/9999	3.0	.	.	. . .		.			.
				LAST UPDT: 7/23/14 APPROVED:12/01/99							
				COMMENT:14-16 DESC, TITLE CHG							

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						-ALL MAX	U P	GRD SYS	E D	HYPH	U M	N R	E E	P A	& S				N W	C T
CEE	480	AIR QLTY MODELING Air-Quality Modeling	AUT/2015 -	AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	CEE	480	ATM S 480	.
						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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 7/23/14 APPROVED:12/01/99														
COMMENT:14-16 DESC CHG																				
CEE	482	WASTEWTR REUSE/REC Wastewater Reuse and Resource Recovery	SPR/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 3/22/16 APPROVED:12/01/99														
CEE	483	DRINKING WTR TRTMT Drinking Water Treatment	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 2/07/13 APPROVED: 8/14/02														
COMMENT:EMAIL PREQ CHG																				
CEE	484	ON-SITE WASTE MGMT Decentralized and On-Site Wastewater Management and Reuse	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 2/07/13 APPROVED:12/01/99														
COMMENT:EMAIL PREQ CHG																				
CEE	487	SOLID WASTE DISPOSAL Solid-Waste Disposal	SUM/2000 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/12/06 APPROVED:12/01/99														
COMMENT:WAS CIVE 487																				
CEE	488	HAZARDOUS WAST ENGR Hazardous Waste Engineering	SPR/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/02/15 APPROVED:12/01/99														
COMMENT:EMAIL PREQ CHG																				
CEE	489	WAT AIR SAMPLING Water and Air Quality Sampling	SUM/2000 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/12/06 APPROVED:12/01/99														
COMMENT:WAS CIVE 489																				
CEE	490	AIR POLL CONTROL Air-Pollution Control	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	CEE	490	ENV H 461	.
						LAST UPDT: 7/23/14 APPROVED:12/01/99														
COMMENT:14-16 DESC CHG																				

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CEE 491	DETERMINISTIC SYS Deterministic Systems	SPR/2011 - AUT/9999	3.0		.	.		.	.	.	.			.
					LAST UPDT: 2/18/11 APPROVED:12/01/99									
COMMENT:EMAIL PREQ CHG														
CEE 492	STOCHASTIC SYSTEMS Stochastic Systems	SUM/2000 - AUT/9999	3.0		.	.		.	.	.	.			.
					LAST UPDT:10/12/06 APPROVED:12/01/99									
COMMENT:WAS CIVE 492														
CEE 493	AIR POL SOURCE TEST Air-Pollution Source Testing and Equipment Evaluation	AUT/2008 - AUT/9999	3.0		.	.		.	Y	.	.			.
					LAST UPDT: 7/17/15 APPROVED:12/01/99									
COMMENT:CHG DESC PER 08-10 UPDATE					FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081									
CEE 494	AIR P CONT DESIGN Air-Pollution Control Equipment Design	SUM/2000 - AUT/9999	3.0		.	.		.	.	.	.	CEE 494	CHEM E468	.
					LAST UPDT:10/12/06 APPROVED:12/01/99									
COMMENT:WAS CIVE 494														
CEE 495	DESIGN FOR ENVIR Sustainability and Design for Environment	AUT/2009 - AUT/9999	3.0		.	.		.	.	.	.	M E 415	M E 415	.
					LAST UPDT: 8/12/09 APPROVED: 5/21/01									
COMMENT:CHG JT STATUS														
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									
COMMENT:CHG CREDITS, DESC					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														

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	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	RESPONS COURSE	JOINT COURSES	O M I T
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	.	.					.
COMMENT:WAS CESM 501, CHG TITLES				LAST UPDT:10/12/06		APPROVED: 1/28/00				
CEE	502	STR DYNAMICS Structural Dynamics	AUT/2012 - AUT/9999 3.0	.	.					.
COMMENT:12-14 DESC CHG				LAST UPDT: 7/10/12		APPROVED: 1/28/00				
CEE	503	MATERIALS MODELING Materials Modeling	SUM/2000 - AUT/9999 3.0	.	.					.
COMMENT:WAS CESM 503, CHG TITLES				LAST UPDT:10/12/06		APPROVED: 1/28/00				
CEE	504	FINITE ELEM METHODS Finite Element Methods in Structural Mechanics	AUT/2003 - AUT/9999 3.0	.	.					.
COMMENT:WAS CESM 504				LAST UPDT: 8/06/08						
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				

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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									
CEE 517	WIND ENGR DESIGN Wind Engineering Design	SPR/2004 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES					LAST UPDT:10/12/06 APPROVED: 1/28/00									
CEE 518	RELIABILITY & DESGN Reliability and Design	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS CESM 523					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 521	SEEPAGE AND CONSOL Seepage and Consolidation	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG					LAST UPDT: 7/23/14 APPROVED: 8/23/00									
CEE 522	SHEAR STR SLOP STAB Shear Strength and Slope Stability	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG					LAST UPDT: 7/23/14 APPROVED: 8/23/00									
CEE 523	ADV FOUND ENG Advanced Foundation Engineering	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS CESM 563					LAST UPDT:10/12/06 APPROVED: 8/23/00									

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CEE 524	LAT EARTH PRESSURES Lateral Earth Pressures and Retaining Structures	AUT/2008 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:PREQ CHG PER 08-10 UPDATE					LAST UPDT: 1/02/08 APPROVED: 8/23/00									
CEE 525	SOIL DYNAMICS Soil Dynamics	WIN/2001 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:WAS CESM 565					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 526	GEOTECH EQ ENGRG Geotechnical Earthquake Engineering	WIN/2001 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:WAS CESM 566					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 527	ADV GEOTECH LAB Advanced Geotechnical Laboratory	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 7/23/14 APPROVED: 8/23/00									
CEE 528	GEOSYNTHETICS Geosynthetic Engineering	WIN/2001 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:WAS CESM 568					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 529	FOUND SOIL IMPRT Foundation Soil Improvement	WIN/2001 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:WAS CESM 569					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 530	ENGINEER GEOLOGY II Engineering Geology II	WIN/2001 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:WAS CESM 570					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 531	ROCK ENGINEERING Rock Engineering	AUT/2008 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:PREQ CHG PER 08-10 UPDATE					LAST UPDT: 1/02/08 APPROVED: 2/28/94									
CEE 540	MICRO PROC FUND Microbiological Process Fundamentals	WIN/2001 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:WAS CEWA 550					LAST UPDT:10/12/06 APPROVED: 6/28/00									

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						-ALL	U	GRD	E	U N E	P & N	A S W	T P R	G				
CEE	550	ENVIR CHEM MODEL Environmental Chemical Modeling	SPR/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG						LAST UPDT: 1/12/15 APPROVED: 8/27/01												
CEE	551	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	552	ENVIR REGS Environmental Regulations	SUM/2008 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.			.
						LAST UPDT: 4/16/08 APPROVED: 4/15/08												
CEE	553	SMNR ATMOS CHEM Seminar - Topics in Atmospheric Chemistry	AUT/2009 -	AUT/9999	1.0-03.0	6.0	Y	.	.	.	.	.	.	.	.	CEE	553 ATM S 525	.
COMMENT:CHG JT STATUS						LAST UPDT: 8/12/09 APPROVED: 1/28/00												
CEE	554	ACOSTCS ENVRN NOISE Acoustics of Environmental Noise	SUM/2000 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	M E	528 M E 528	.
COMMENT:WAS CEWA 528						LAST UPDT:10/12/06 APPROVED: 1/28/00												
CEE	555	TPCS ENVIRNMTL HLTH Topics in Environmental Health	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.
COMMENT:WAS CEWA 560						LAST UPDT:10/12/06 APPROVED: 8/23/00												
CEE	557	AIR RESOURCES MGMT Air Resources Management	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.
COMMENT:12-14 DESC CHG						LAST UPDT: 7/10/12 APPROVED: 8/23/00												
CEE	558	GAS AIR POLL CONT CONTROL OF GASEOUS AIR POLLUTANTS	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CHEM E566	CHEM E566	.
COMMENT:WAS CEWA 566						LAST UPDT: 2/07/14 APPROVED: 8/23/00												
CEE	559	PART AIR POLL CONT CONTROL OF PARTICULATE AIR POLLUTANTS	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CHEM E567	CHEM E567	.
COMMENT:WAS CEWA 567						LAST UPDT: 2/07/14 APPROVED: 8/23/00												

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CEE 560	RISK ASSESSMENT Risk Assessment for Environmental Health Hazards	AUT/2001 - SUM/2016	3.0-04.0	4.0	.	.	.	.	.	.	.	.	.	ENV H 577 PB AF 589	.		
				LAST UPDT:		11/03/15		APPROVED:		3/30/82				ENV H 577			
COMMENT:CHANGE JOINT STATUS																	
CEE 560	RISK ASSESSMENT Risk Assessment for Environmental Health Hazards	AUT/2016 - AUT/9999	3.0-04.0	4.0	.	.	.	.	.	.	.	.	.	ENV H 577 PUBPOL589	.		
				LAST UPDT:		11/03/15		APPROVED:		3/30/82				ENV H 577			
CEE 561	TRANSPORTATION PLAN Transportation Planning and Design	AUT/2011 - SUM/2016	4.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		3/30/16		APPROVED:		3/15/11							
CEE 561	TRANSPORTATION PLAN Transportation Planning and Design	AUT/2016 - WIN/2020	5.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		3/30/16		APPROVED:		3/15/11							
CEE 561	TRANSPORTATION PLAN Transportation Planning and Design	SPR/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		3/30/16		APPROVED:		3/15/11							
CEE 562	LIVABLE COMM Livable Communities and Design	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		5/12/11		APPROVED:		3/15/11							
CEE 563	TRANS CHOICES Transportation Choices and Technology	SPR/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		5/12/11		APPROVED:		3/15/11							
CEE 564	SUSTAIN TRANS SYST Sustainable Transportation from a Systems Perspective	SPR/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		4/18/12		APPROVED:		4/17/12							
COMMENT:REMOVE DL																	
CEE 565	CLIM CHANGE ENERGY Climate Change and Energy	WIN/2013 - SPR/2016	5.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		4/18/12		APPROVED:		4/17/12							
COMMENT:INITAL DL																	
CEE 565	CLIM CHANGE ENERGY Climate Change and Energy	SUM/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.				
				LAST UPDT:		4/18/12		APPROVED:		4/17/12							
COMMENT:REMOVE DL																	

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CEE 566	ENV ANALYSIS ASSESS Environmental Analysis and Assessment	SPR/2013 - SUM/2016	5.0	.	.	. . .				
				LAST UPDT: 4/18/12 APPROVED: 4/17/12						
				COMMENT:INITAL DL						
CEE 566	ENV ANALYSIS ASSESS Environmental Analysis and Assessment	AUT/2016 - AUT/9999	5.0	.	.	. . .				
				LAST UPDT: 4/18/12 APPROVED: 4/17/12						
				COMMENT:REMOVE DL						
CEE 567	HEALTH SUSTAIN TRAN Health and Sustainable Transportation	AUT/2013 - WIN/2017	5.0	.	.	. . .				
				LAST UPDT: 4/16/13 APPROVED: 4/16/13						
				COMMENT:INITAL DL						
CEE 567	HEALTH SUSTAIN TRAN Health and Sustainable Transportation	SPR/2017 - AUT/9999	5.0	.	.	. . .				
				LAST UPDT: 4/16/13 APPROVED: 4/16/13						
				COMMENT:END INITIAL DL						
CEE 568	TRANS ECONOMICS Transportation Economics	WIN/2014 - SPR/2017	5.0	.	.	. . .				
				LAST UPDT: 4/16/13 APPROVED: 4/16/13						
				COMMENT:INITAL DL						
CEE 568	TRANS ECONOMICS Transportation Economics	SUM/2017 - AUT/9999	5.0	.	.	. . .				
				LAST UPDT: 4/16/13 APPROVED: 4/16/13						
				COMMENT:END INITIAL DL						
CEE 569	SUSTAIN POLICY FIN Policy Development, Finance, and Sustainable Transportation	SPR/2014 - SUM/2017	5.0	.	.	. . .				
				LAST UPDT:12/09/13 APPROVED: 4/16/13						
				COMMENT:INITIAL DL						
CEE 569	SUSTAIN POLICY FIN Policy Development, Finance, and Sustainable Transportation	AUT/2017 - AUT/9999	5.0	.	.	. . .				
				LAST UPDT:12/09/13 APPROVED: 4/16/13						
				COMMENT:END INITIAL DL						
CEE 570	HYDRODYNAMICS Hydrodynamics	AUT/2014 - AUT/9999	4.0	.	.	. . .				
				LAST UPDT: 7/23/14 APPROVED: 8/23/00						
				COMMENT:14-16 PREQ CHG						

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CEE 571	HYDRODYN WATER QUAL Hydrodynamics in Water Quality	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS CEWA 541					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 572	COAST WAVES FOR ENG Water Wave Mechanics for Coastal Engineers	AUT/2015 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/23/15 APPROVED: 8/23/00									
CEE 573	SNOW HYDROLOGY Snow Hydrology	WIN/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/22/11 APPROVED: 6/21/11									
CEE 574	ADVANCED HYDROLOGY Advanced Hydrology	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:12-14 DESC CHG					LAST UPDT: 7/10/12 APPROVED: 8/23/00									
CEE 575	GRNDWTR TRANS MODEL GROUNDWATER TRANSPORT MODELING	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS CEWA 548					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 576	WATER RESOURCS PLAN Water Resources Planning	SUM/2000 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS CEWA 557					LAST UPDT:10/12/06 APPROVED: 1/28/00									
CEE 577	WATER QUALITY MNGMT Water-Quality Management	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS CEWA 558					LAST UPDT:10/12/06 APPROVED: 8/23/00									
CEE 578	WATER SYS MGMT & OP Water Resource System Management and Operations	AUT/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL REC PREQ CHG					LAST UPDT: 6/16/10 APPROVED: 1/28/00									
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									

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D		GRD	D	S H F	V	L I	E E	W	RESPONS	JOINT	O	
						-ALL	U											E
						MAX	P	SYS	D	M R E	A	S	W	T	P	R	G	T
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	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/01/15		APPROVED: 1/28/00										
						COMMENT:EMAIL PREQ CHG												
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	.	.	.	.	.	.	.	.	.	.	.	.	.
						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	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:10/30/12		APPROVED: 9/22/97										
						COMMENT:DROP JT STATUS												
CEE	588	ENERGY INFRA & ENV Energy Infrastructure and the Environment	WIN/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:12/21/11		APPROVED: 1/18/11										
						COMMENT:ADD DL												
CEE	589	TRANSIT SYSTEMS PLG Transit Systems Planning	WIN/2001 -	AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
						LAST UPDT: 7/17/15		APPROVED: 8/23/00										
						COMMENT:WAS CETS 541												
						FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081												

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DATE: 04-11-2016
TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
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CEE	600	INDEPENDENT STUDY Independent Study or Research	SPR/2001	- AUT/9999	2.0-05.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/19/10 APPROVED: 2/21/01																
CEE	601	INTERNSHIP Internship	AUT/2001	- AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 7/23/14 APPROVED: 9/24/01																
CEE	700	MASTERS THESIS Master's Thesis	SUM/2000	- AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/19/10 APPROVED: 1/01/70																
						COMMENT:REPL CIVE 700																
CEE	800	DOCTORAL DISSERTATN Doctoral Dissertation	SUM/2000	- AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/19/10 APPROVED: 1/01/70																
						COMMENT:REPL CIVE 800																

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E HYPH	S U M R E	H U N E	F U N E	P & S	A S W T	E C M S N	R Q T P R G	RESPONS COURSE	JOINT COURSES		
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	.		.		. . .										.
				LAST UPDT:		5/09/13		APPROVED:		4/16/13								
				COMMENT:INITIAL DL														
SCTL 502	IT INTEGRATION IT Systems and Supply Chain Integration	SPR/2017 - AUT/9999	0.0	.		.		. . .										.
				LAST UPDT:		4/16/13		APPROVED:		4/16/13								
				COMMENT:END INITIAL DL														
SCTL 503	INVENTORY MGMT Inventory Management	WIN/2014 - SPR/2017	5.0	.		.		. . .							SCTL 503 IND E 575	.		.
				LAST UPDT:		4/16/13		APPROVED:		4/16/13								
				COMMENT:INITIAL DL														
SCTL 503	INVENTORY MGMT Inventory Management	SUM/2017 - AUT/9999	5.0	.		.		. . .							SCTL 503 IND E 575	.		.
				LAST UPDT:		4/16/13		APPROVED:		4/16/13								
				COMMENT:END INITIAL DL														
SCTL 504	FAC DES & OP MGMT Facility Design and Operations Management	SPR/2014 - SUM/2017	5.0	.		.		. . .							SCTL 504 IND E 576	.		.
				LAST UPDT:		4/16/13		APPROVED:		4/16/13								
				COMMENT:INITIAL DL														
SCTL 504	FAC DES & OP MGMT Facility Design and Operations Management	AUT/2017 - AUT/9999	5.0	.		.		. . .							SCTL 504 IND E 576	.		.
				LAST UPDT:		4/16/13		APPROVED:		4/16/13								
				COMMENT:END INITIAL DL														
SCTL 505	SUPPLY TRANS RISKS External Supply Chain Transportation Risks	SUM/2014 - AUT/2017	5.0	.		.		. . .										.
				LAST UPDT:		2/11/14		APPROVED:		11/19/13								
				COMMENT:INITIAL DL														
SCTL 505	SUPPLY TRANS RISKS External Supply Chain Transportation Risks	WIN/2018 - AUT/9999	5.0	.		.		. . .										.
				LAST UPDT:		2/11/14		APPROVED:		11/19/13								
				COMMENT:END INITIAL DL														

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS											
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	WIN/2015 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	Y	.	.
COMMENT:CHG DESC				LAST UPDT: 1/21/15		APPROVED: 5/30/91								
CSE 143	COMPUTER PRGRMNG II Computer Programming II	WIN/2007 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	Y	.	.
COMMENT:CHG DESC				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 301	CSE INTERNSHIP CSE Internship Education	SPR/2018 - AUT/9999	1.0-02.0	12.0	.	CR/NC	.	.	.	.	.	.	.	.
				LAST UPDT: 2/24/16		APPROVED: 2/16/16								
CSE 303	SOFTWARE DEV TOOLS CONCEPTS AND TOOLS FOR SOFTWARE DEVELOPMENT	WIN/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG				LAST UPDT: 2/07/14		APPROVED: 8/20/04								
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								

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CSE	312	FOUNDATIONS COMP II Foundations of Computing II	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	Y .							.	
					LAST UPDT:11/18/09		APPROVED:11/17/09													
CSE	321	DISCRETE STRUCTURES DISCRETE STRUCTURES	WIN/1990 - AUT/9999	4.0	.	.	.	.	.	.	.	.							.	
		COMMENT:WAS C SCI 321			LAST UPDT: 2/07/14		APPROVED: 6/01/89													
CSE	322	INTRO FORMAL MODELS INTRODUCTION TO FORMAL MODELS IN COMPUTER SCIENCE	WIN/1990 - AUT/9999	3.0	.	.	.	.	.	.	.	.							.	
		COMMENT:WAS C SCI 322			LAST UPDT: 9/26/14		APPROVED: 6/01/89													
CSE	326	DATA STRUCTURES Data Structures	AUT/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.							.	
		COMMENT:CHG DESCRIPTION			LAST UPDT: 9/19/14		APPROVED: 6/01/89													
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	.	.	.	.	.	.	.	.							.	
		COMMENT:14-16 PREQ CHG			LAST UPDT: 9/19/14		APPROVED:11/17/09													
CSE	351	HW SW INTERFACE The Hardware/Software Interface	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.							.	
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COURSE CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		GRD	D	S H F	V	L I	E E	W	RESPONS	JOINT	O
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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 FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081											
COMMENT:FEE CHANGE																	
CSE	371	DIGITAL DESIGN Design of Digital Circuits and Systems	WIN/2016 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	E E	371 E E	371 .
						LAST UPDT: 7/23/15 APPROVED: 9/16/14											
CSE	373	DATA STRUC/ALGORITHM Data Structures and Algorithms	AUT/2014 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/19/14 APPROVED: 6/22/89											
COMMENT:14-16 PREQ CHG																	
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 FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081											
COMMENT:EMAIL PREREQ CHG																	
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											
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											

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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								
CSE 427	COMP BIOLOGY Computational Biology	WIN/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 6/06/13 APPROVED: 6/20/07								

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER	D		D	S	H	F	V	L	E	E	W	R		
CURRIC	NUM				ALL	U	GRD	E	U	N	E	P	I	N	C	M	S	N	
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CSE	428	COMP BIOL CAPSTONE Computational Biology Capstone	AUT/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 6/20/07													
CSE	431	INTRO THEORY COMPUT Introduction to Theory of Computation	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 6/22/89													
CSE	440	INTRODUCTION TO HCI Introduction to HCI: User Interface Design, Prototyping, and Evaluation	AUT/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 6/20/07													
CSE	441	ADVANCED HCI Advanced HCI: Advanced User Interface Design, Prototyping, and Evaluation	WIN/2008 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/21/07		APPROVED: 6/20/07													
CSE	442	DATA VISUALIZATION Data Visualization	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 2/23/16													
CSE	444	DATABASE INTERNALS Database Systems Internals	SPR/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, EMAIL PREQ CHG				LAST UPDT: 3/05/13		APPROVED: 6/22/89													
CSE	446	MACHINE LEARNING Machine Learning	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 6/20/07													
CSE	450	ANIMATION PROD SMNR Animation Production Seminar	AUT/2003 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/28/03		APPROVED: 8/13/03													
CSE	451	INTRO OPERATING SYS Introduction to Operating Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 6/22/89													

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	E D HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
CSE 464	ADV TOPICS-ANIMATION Advanced Topics in Digital Animation	AUT/2014 -	AUT/9999	1.0-05.0	10.0 .	.	.	. . .		.	.	.	.	.
					LAST UPDT: 9/19/14 APPROVED: 8/13/03									
					COMMENT:14-16 PREQ CHG									
CSE 467	ADV DIGITAL DESIGN Advanced Digital Design	AUT/2014 -	AUT/9999	4.0	.	.	.	. . Y		.	.	.	.	.
					LAST UPDT: 9/19/14 APPROVED:12/01/99									
					FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081									
CSE 468	VERY LRG SCL INTEGR VERY LARGE SCALE INTEGRATION	AUT/2010 -	AUT/9999	5.0	.	.	.	. . .		.	.	.	.	.
					LAST UPDT: 2/07/14 APPROVED:11/18/96									
					COMMENT:EMAIL PREQ CHG									
CSE 469	COMPUTER ARCH I Computer Architecture I	WIN/2016 -	AUT/9999	5.0	.	.	.	. . Y		E E	469 E E	469	.	.
					LAST UPDT: 6/05/15 APPROVED: 6/23/83									
					FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081									
CSE 470	COMPUTER ARCH II Computer Architecture II	SPR/2016 -	AUT/9999	4.0	.	.	.	. . .		CSE 470	E E	470	.	.
					LAST UPDT: 2/10/16 APPROVED: 5/29/92									
CSE 472	INTR TO COMPUT LING Introduction to Computational Linguistics	AUT/2014 -	AUT/9999	5.0	.	.	.	. . .	Y . Y	LING	472 LING	472	.	.
					LAST UPDT: 9/19/14 APPROVED: 5/30/91									
					COMMENT:14-16 PREQ CHG									
CSE 473	INTR TO ARTIF INTLL Introduction to Artificial Intelligence	AUT/2014 -	AUT/9999	3.0	.	.	.	. . .		.	.	.	.	.
					LAST UPDT: 9/19/14 APPROVED: 6/22/89									
					COMMENT:14-16 PREQ CHG									
CSE 474	INTRO EMBEDDED SYS Introduction to Embedded Systems	WIN/2016 -	AUT/9999	4.0	.	.	.	. . Y		CSE 474	E E	474	.	.
					LAST UPDT: 6/05/15 APPROVED:12/01/99									
					FEE TYPE:1 \$50.00 BUDGET:069645 REV OBJ CD:943081									
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									

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D D S H F L I E C Q T										RESPONS COURSE	JOINT COURSES	O M I T
						-ALL U	GRD	E	HYPH	UNE	P & N	A S	W	T	P R G			
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										E E 423		
						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										BIOEN 424		
						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										E E 425		
						COMMENT:CHG CREDITS												
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												
						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												
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												

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COURSE	NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER	OVER	D	D	S	H	F	V	L	E	E	W	R	O	
CURRIC					CREDITS	-ALL	U	GRD	E	U	N	P	I	C	C	Q	T	M	
						MAX	P	SYS	D	HYPH	M	R	A	S	N	S	N	I	
																		T	
CSE	498	SENIOR PROJECT Senior Project	WIN/1990 - AUT/9999	1.0-09.0	9.0	.	.	11	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/13/06 APPROVED: 6/22/89													
						COMMENT:WAS C SCI 498													
CSE	499	READING & RESEARCH Reading and Research	WIN/1990 - AUT/9999	1.0-24.0	24.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/13/06 APPROVED: 6/22/89													
						COMMENT:WAS C SCI 499													
CSE	501	PROG LANG AN & IMPL Programming Language Analysis and Implementation	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/19/14 APPROVED: 6/22/89													
						COMMENT:14-16 PREQ CHG													
CSE	503	SOFTWARE ENG Software Engineering	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/19/14 APPROVED: 6/22/89													
						COMMENT:14-16 PREQ CHG													
CSE	504	ADV TPCS SOFTW ENG Advanced Topics in Software Engineering	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/19/14 APPROVED:11/29/95													
						COMMENT:14-16 PREQ CHG													
CSE	505	PRIN OF PROG LANGS Principles of Programming Languages	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/19/14 APPROVED: 6/22/89													
						COMMENT:14-16 PREQ CHG													
CSE	506	ADV TOPIC PROG LANG Advanced Topics in Programming Languages	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/19/14 APPROVED: 6/22/89													
						COMMENT:14-16 PREQ CHG													
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/20/11 APPROVED: 9/28/98													
						COMMENT:CHG CREDITS													

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D D S H F V L E W													RESPONS	JOINT	O										
						-ALL	U	GRD	E	HYPH	U	N	E	P	&	N	C	M				S	N	A	S	W	T	P	R	G	COURSE
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
						LAST UPDT: 9/19/14													APPROVED: 3/29/05												
						COMMENT:14-16 PREQ CHG																									
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
						LAST UPDT: 8/20/08													APPROVED: 6/22/89												
						COMMENT:CHG MAX CREDITS																									
CSE	520	COLLOQUIUM Computer Science Colloquium	AUT/2008 -	AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
						LAST UPDT: 8/20/08													APPROVED: 6/22/89												
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CSE	521	DSGN&ANLYS ALGRTHM Design and Analysis of Algorithms I	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
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CSE	522	DSGN&ANLYS ALGRTHM Design and Analysis of Algorithms II	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
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CSE	523	COMP GEOMETRY Computational Geometry	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
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CSE	524	PARALLEL ALGORITHMS Parallel Algorithms	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
CSE 525	RANDOM ALGORITHMS Randomized Algorithms and Probabilistic Analysis	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 2/21/07									
CSE 527	COMP BIO Computational Biology	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 6/21/99									
CSE 528	COMPUTATNL NEUROSCI Computational Neuroscience	WIN/2015 - AUT/9999	3.0		.	.	.	.	.	.	.	CSE 528 NEURO 528		.
COMMENT:CHG JT STATUS					LAST UPDT:10/14/14 APPROVED:12/22/03									
CSE 529	MOVEMENT CONTROL Neural Control of Movement: A Computational Perspective	WIN/2011 - AUT/9999	3.0		.	.	.	.	.	.	.	AMATH 533 AMATH 533		.
					LAST UPDT: 1/03/11 APPROVED:12/21/10									
CSE 531	COMPUTABIILTY I Computational Complexity I	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 6/22/89									
CSE 532	COMPLEXITY II Computational Complexity II	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 6/22/89									
CSE 533	ADV TOP COMPLEX THY Advanced Topics in Complexity Theory	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 6/22/89									
CSE 544	PRINCIPLES OF DBMS Principles of Database Systems	AUT/2011 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:CHG CREDITS					LAST UPDT: 9/20/11 APPROVED: 9/28/98									
CSE 546	MACHINE LEARNING Machine Learning	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 8/23/00									

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	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	-ALL MAX	U P	G R D S Y S	D E H Y P H	M R E	A S W T P R G	P & N C M S N	R E S P O N S E	J O I N T		
CSE	561	COMPUTER NETWORKS Computer Communication and Networks	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		6/22/89				
					COMMENT:14-16 PREQ CHG										
CSE	564	SECURITY & PRIVACY Computer Security and Privacy	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/20/11		APPROVED:		6/17/08				
					COMMENT:CHG CREDITS										
CSE	567	DIGITAL SYST DESIGN Principles of Digital Systems Design	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		6/22/89				
					COMMENT:14-16 PREQ CHG										
CSE	568	INTRO TO VLSI SYS Introduction to VLSI Systems	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		6/22/89				
					COMMENT:14-16 PREQ CHG										
CSE	571	AI-ROBOTICS AI-based Mobile Robotics	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		8/14/02				
					COMMENT:14-16 PREQ CHG										
CSE	573	ARTIFICIAL INTEL I Artificial Intelligence I	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		6/22/89				
					COMMENT:14-16 PREQ CHG										
CSE	574	ARTIFICIAL INTEL II Artificial Intelligence II	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		6/22/89				
					COMMENT:14-16 PREQ CHG										
CSE	576	COMPUTER VISION Computer Vision	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		9/19/14		APPROVED:		6/22/89		CSE	576 E E	576 .
					COMMENT:14-16 PREQ CHG										
CSE	577	COMPUTER VISION Special Topics in Computer Vision	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		7/31/14		APPROVED:		4/28/03		CSE	577 E E	577 .
					COMMENT:14-16 PREQ CHG										

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COURSE CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D		GRD	D	S H F	L I	V	E E	W	RESPONS	JOINT	O
						-ALL	U										
CSE	579	INTELLIGENT CONTROL Intelligent Control through Learning and Optimization	WIN/2016 - AUT/9999	3.0		.	.		.	.	.	.	.	.	AMATH 571	AMATH 571	.
LAST UPDT: 2/26/16 APPROVED: 2/16/10																	
CSE	586	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2014 - AUT/9999	3.0		.	.		.	.	.	.	.	.	E E 523	BIOEN 523	.
LAST UPDT: 9/19/14 APPROVED:11/17/09																	
COMMENT:14-16 PREQ CHG																	
CSE	587	ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology	AUT/2011 - AUT/9999	3.0		.	.		.	.	.	.	.	.	BIOEN 524	E E 524	.
LAST UPDT: 8/16/11 APPROVED:11/17/09																	
COMMENT:CHG DESC																	
CSE	590	RESEARCH SEMINAR Research Seminar	AUT/2014 - AUT/9999	0.0		50.0	Y	.	.	.	Y	.	.	.			.
LAST UPDT: 9/19/14 APPROVED: 6/01/89																	
COMMENT:14-16 PREQ CHG																	
FEE TYPE:1 \$30.00 BUDGET:069390 REV OBJ CD:943081																	
CSE	591	GROUP PROJECTS Group Projects in Computer Science	WIN/2009 - AUT/9999	1.0-03.0	25.0	.	.		.	.	.	.	.	.			.
LAST UPDT:11/19/08 APPROVED: 2/27/04																	
COMMENT:CHG MAX CREDITS																	
CSE	599	SPECIAL TOPICS Special Topics in Computer Science	AUT/2013 - AUT/9999	1.0-05.0	30.0	.	.		.	.	.	.	.	.			.
LAST UPDT: 6/05/13 APPROVED: 2/27/04																	
COMMENT:CHG CREDITS																	
CSE	600	INDEPN DNT STDY/RSCH Independent Study or Research	WIN/1990 - AUT/9999	0.0		999.0	.	CR/NC	.	11	.	.	.	.			.
LAST UPDT: 4/19/10 APPROVED: 6/22/89																	
COMMENT:WAS C SCI 600																	
CSE	601	INTERNSHIP Internship	SPR/2017 - AUT/9999	1.0-02.0	12.0	.	CR/NC	.	.	.	.	.	.	.			.
LAST UPDT: 2/29/16 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																	

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COMMENT:WAS C SCI 800

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E D HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M S T P	W R N G	RESPONS COURSE	JOINT COURSES	O M I T
CSE M 544	DATABASE SYSTEMS Database Systems	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 6/17/08									
CSE M 552	DISTRIBUTED SYSTEMS Introduction to Distributed Systems	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 8/21/12									
CSE M 584	COMPUTER SECURITY Computer Security	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED:12/16/08									

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D E HYPH	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 E Q T C M S N P R G	RESPONS COURSE	JOINT COURSES				
CSE P 501	COMPILER CONSTRUCT Compiler Construction	AUT/2014 - AUT/9999	4.0	.	.	. . .					.			
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 1/23/97								
CSE P 503	SOFTWARE ENGINEERN Principles of Software Engineering	AUT/2014 - AUT/9999	4.0	.	.	. . .					.			
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 1/23/97								
CSE P 504	ADV SOFTWARE SYSTMS Advanced Topics in Software Systems	WIN/2010 - AUT/9999	4.0	.	.	. . .					.			
				LAST UPDT:12/16/09		APPROVED:12/15/09								
CSE P 505	PROG LANGUAGES Programming Languages	AUT/2014 - AUT/9999	4.0	.	.	. . .					.			
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 1/23/97								
CSE P 510	HUMAN CMP INTERACTN Human Computer Interaction	AUT/2014 - AUT/9999	4.0	.	.	. . .					.			
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 1/23/97								
CSE P 517	NAT LANG PROCESSING Natural Language Processing	AUT/2013 - AUT/9999	4.0	.	.	. . .					.			
				LAST UPDT:10/16/13		APPROVED:10/15/13								
CSE P 521	APPLIED ALGORITHMS Applied Algorithms	AUT/2014 - AUT/9999	4.0	.	.	. . .					.			
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 1/23/97								
CSE P 524	PARALLEL COMPUTATN Parallel Computation	AUT/2014 - AUT/9999	4.0	.	.	. . .					.			
COMMENT:14-16 PREQ CHG				LAST UPDT: 9/19/14		APPROVED: 9/28/98								
CSE P 527	COMP BIO Computational Biology	SPR/2016 - AUT/9999	4.0	.	.	. . .					.			
				LAST UPDT: 3/22/16		APPROVED: 3/21/16								

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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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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	.	.	.
LAST UPDT:11/18/09 APPROVED:11/17/09													
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	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 COMMENT:CHANGE DESCRIPTION FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													
E E	332 DEVICES/CIRCUITS II Devices and Circuits II	AUT/1995 -	AUT/9999	5.0	.	.	.	Y	.	.	.	.	.
LAST UPDT: 7/23/15 APPROVED:12/06/91 COMMENT:CHANGE DESCRIPTION FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081													

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E E	341 DT LINEAR SYSTEMS Discrete Time Linear Systems	WIN/1999 -	AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 7/23/15 APPROVED:12/06/91 FEE TYPE:1 \$35.00 BUDGET:069330 REV OBJ CD:943081									
E E	351 ENERGY SYSTEMS Energy Systems	WIN/2005 -	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									
E E	361 APPL EM Applied Electromagnetics	AUT/2006 -	AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 7/17/15 APPROVED:12/06/91 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081									
E E	371 DIGITAL DESIGN Design of Digital Circuits and Systems	WIN/2016 -	AUT/9999	5.0	.	.	.	.	.	.	.	E E	371 CSE	371 .
					LAST UPDT: 7/23/15 APPROVED: 9/16/14									
E E	393 ADV TECH WRITING EE Advanced Technical Writing in Electrical Engineering	AUT/2013 -	AUT/9999	4.0	.	.	.	.	.	.	. Y	.	.	.
					LAST UPDT: 6/02/14 APPROVED: 6/04/13									
E E	398 PROFESSIONAL ISSUES Introduction to Professional Issues	SPR/2008 -	AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/19/08 APPROVED: 3/18/08									
E E	399 SPEC TPCS ELEC ENGR Special Topics in Electrical Engineering	WIN/2014 -	AUT/9999	1.0-05.0	10.0 .	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/16/13									
					COMMENT:CHG CREDITS									
E E	400 ADV TOPICS E E Advanced Topics in Electrical Engineering	AUT/2001 -	AUT/9999	1.0-05.0	10.0 Y	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 7/23/15 APPROVED: 1/29/87 FEE TYPE:1 \$50.00 BUDGET:061030 REV OBJ CD:943081									
E E	401 ENGR DSGN LRG TEAMS Engineering Design in Large Teams	AUT/2004 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/30/04 APPROVED: 3/29/04									
					COMMENT:CONV OF TEMP COURSE									

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E E 402	ENGR DSGN: ROBOT II Engineering Design in Large Teams: Robotics II	WIN/2005 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.
COMMENT: CONV OF TEMP COURSE					LAST UPDT: 10/16/06 APPROVED: 6/23/04								
E E 406	ENGR DES FOR K-12 Engineering Design for K-12 Outreach	AUT/2006 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 5/01/06 APPROVED: 4/28/06								
E E 415	COMP AID SYS DESIGN Computer-Aided System Analysis and Design	WIN/1988 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
COMMENT: CHG TITLES					LAST UPDT: 10/16/06 APPROVED: 2/20/69								
E E 416	RANDOM SIGNALS Random Signals for Communications and Signal Processing	AUT/2006 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.
COMMENT: CHG TITLES					LAST UPDT: 3/21/06 APPROVED: 10/23/97								
E E 417	MOD WIRELESS COMMS Modern Wireless Communications	WIN/2007 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.
COMMENT: CHG PREREQ, TITLES, DESC					LAST UPDT: 10/16/06 APPROVED: 6/03/71								
E E 418	NETWK SECR & CRYPTOGRAPHY Network Security and Cryptography	AUT/2004 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
COMMENT: CHANGE PREREQ					LAST UPDT: 10/16/06 APPROVED: 6/03/71								
E E 420	DESIGN IN COMM Design in Communications	WIN/1998 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 11/02/97 APPROVED: 10/23/97								
E E 423	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	.	E E 423	BIOEN 423	.
COMMENT: 14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED: 11/17/09 CSE 486								
E E 424	ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	BIOEN 424	CSE 487	.
COMMENT: EMAIL PREQ CHG, CHG DESC					LAST UPDT: 3/21/16 APPROVED: 11/17/09 BIOEN 424								

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D	D	S H F	V	E	L	E	C	Q	T	RESPONS	JOINT	COURSE	COURSES	M	I	T
CURRIC	NUM				ALL U	GRD	E	U N E	P & N	C M S N	A S W T P R G										
E E	425	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																
E E	426	SYN BIO CAPSTONE Capstone Project in Synthetic Biology	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.							
					LAST UPDT: 2/22/16 APPROVED: 1/19/16																
E E	433	ANALOG CKT DESIGN Analog Circuit Design	AUT/1992 - AUT/9999	5.0	.	.	.	Y	.	.	.	.	.	.							
					LAST UPDT: 7/17/15																
COMMENT:CHG TITLES, CRS, DESC				FEE TYPE:1	\$50.00 BUDGET:069330 REV OBJ CD:943081																
E E	436	MEDICAL INSTRUMENTN Medical Instrumentation	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.							
					LAST UPDT: 5/31/12 APPROVED: 9/26/74																
COMMENT:EMAIL PREQ CHG																					
E E	438	INSTRMT DESIGN PROJ Instrumentation Design Project Capstone	SPR/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.							
					LAST UPDT:12/20/15 APPROVED:12/15/15																
E E	440	INTRO DGTL IMAG SYST Introduction to Digital Imaging Systems	AUT/1998 - AUT/9999	4.0	.	.	.	Y	.	.	.	.	.	.							
					LAST UPDT: 1/10/14 APPROVED: 6/23/98																
FEE TYPE:1				\$35.00 BUDGET:069330 REV OBJ CD:943081																	
E E	442	DIG SIG & FILTERING Digital Signals and Filtering	WIN/1977 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.							
					LAST UPDT: 7/23/15 APPROVED: 3/02/72																
COMMENT:CHG TITLES, DESC				FEE TYPE:1	\$35.00 BUDGET:069330 REV OBJ CD:943081																
E E	443	DES APPL DIG SIG PR Design and Application of Digital Signal Processing	AUT/1996 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.							
					LAST UPDT: 4/23/97 APPROVED: 2/01/88																
COMMENT:CHANGE DESCRIPTION																					
E E	447	CONTROL SYS ANLYS I Control System Analysis I	SPR/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.							
					LAST UPDT: 1/24/07 APPROVED: 3/01/72																
COMMENT:CHG PREQ																					

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E D HYPH	S H F U N E M R E	V L I P & N A S W	E E W L C Q T N C M S N T P R G	RESPONS COURSE	JOINT COURSES	O M I T
E E	448	CONTROLS CAPSTONE Systems, Controls, and Robotics Capstone	WIN/2015 - AUT/9999	4.0	.	.	12	. . Y	.	.	.	.	.
					LAST UPDT: 6/04/14 APPROVED:12/06/93 FEE TYPE:1 \$45.00 BUDGET:069310 REV OBJ CD:943081 COMMENT:CHG TTLS, DESC, HRS, CRDT,HYP								
E E	449	CONTROLS CAPSTONE Systems, Controls, and Robotics Capstone	WIN/2015 - AUT/9999	4.0	.	.	22	. . Y	.	.	.	.	.
					LAST UPDT: 6/04/14 APPROVED: 2/28/92 FEE TYPE:1 \$45.00 BUDGET:069330 REV OBJ CD:943081 COMMENT:CHG TTLS, DESC, HYPHEN								
E E	451	WIND ENERGY Wind Energy	SPR/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 5/26/10 APPROVED: 5/18/10								
E E	452	PWR ELECTRONIC DES Power Electronics Design	AUT/2007 - AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.
					LAST UPDT: 7/23/15 APPROVED: 4/25/85 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 COMMENT:EMAIL PREQ CHANGE								
E E	453	ELECTRIC DRIVES Electric Drives	AUT/2014 - AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.
					LAST UPDT: 1/16/14 APPROVED:11/22/82 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081 COMMENT:EMAIL PREQ CHG								
E E	454	POWER SYS ANALYS Power System Analysis	AUT/2002 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/16/06 APPROVED: 6/03/71 COMMENT:CHG TITLES								
E E	455	POWER SYS DYN & PROT Power System Dynamics and Protection	WIN/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/16/06 APPROVED:11/17/77 COMMENT:CHG TITLES								
E E	456	CAD IN POWER SYST Computer-Aided Design in Power Systems	SPR/1990 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/16/06 APPROVED: 2/24/77 COMMENT:CHG TITLES								
E E	457	ELEC ENERGY DISTR Electric Energy Distribution Systems	WIN/1981 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/16/06 APPROVED:12/18/80								

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COURSE		TITLE		EFFECTIVE QUARTERS		QUARTER	OVER D	D	S H F	L I	E C Q T	RESPONS		JOINT		M								
CURRIC	NUM					CREDITS	-ALL U	GRD	E	U N E	P & N C M S N	COURSE		COURSES		I								

E E	461	INTRO COMP NETWORKS		AUT/2008 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.								
							LAST UPDT: 3/18/08		APPROVED: 3/28/91															
							COMMENT:CHG DSCRPT,JT STATUS,DESCRIPT																	
E E	462	EM I: MWAVE ENGR		WIN/2016 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.								
							LAST UPDT: 8/19/15		APPROVED: 1/20/93															
							Electromagnetics I: Microwave Engineering																	
E E	463	MICROWAVE ELEC DESN		WIN/2016 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.								
							LAST UPDT: 8/19/15																	
							Microwave Electronic Design																	
E E	464	ANTENNAS		WIN/2016 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.								
							LAST UPDT: 8/19/15		APPROVED: 1/29/70															
							Antennas: Analysis and Design																	
E E	465	FIBER OPT DEV & APP		WIN/2013 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.								
							LAST UPDT: 5/31/12		APPROVED: 4/05/88															
							Fiber Optics, Devices, and Applications																	
							COMMENT:EMAIL PREQ CHG																	
E E	469	COMPUTER ARCH I		WIN/2016 - AUT/9999		5.0	.	.	.	Y	.	.	.	.	.	.								
							LAST UPDT: 6/05/15		APPROVED: 6/23/83		E E		469 CSE	469	.									
							FEE TYPE:1		\$50.00 BUDGET:069330 REV OBJ CD:943081															
E E	470	COMPUTER ARCH II		SPR/2016 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.								
							LAST UPDT: 2/10/16		APPROVED: 5/29/92		CSE		470 CSE	470	.									
							Computer Architecture II																	
E E	473	LINEAR IC DESIGN		AUT/2007 - AUT/9999		5.0	.	.	.	Y	.	.	.	.	.	.								
							LAST UPDT: 7/23/15		APPROVED: 5/30/22															
							FEE TYPE:1		\$35.00 BUDGET:069330 REV OBJ CD:943081															
							Linear Integrated Circuits																	
							COMMENT:CHG CREDITS																	
E E	474	INTRO EMBEDDED SYS		WIN/2016 - AUT/9999		4.0	.	.	.	Y	.	.	.	.	.	.								
							LAST UPDT: 6/05/15		APPROVED:12/01/99		CSE		474 CSE	474	.									
							FEE TYPE:1		\$50.00 BUDGET:069645 REV OBJ CD:943081															
							Introduction to Embedded Systems																	
E E	475	EMBEDDED CAPSTONE		WIN/2016 - AUT/9999		5.0	.	.	.	Y	.	.	.	.	.	.								
							LAST UPDT: 6/05/15		APPROVED: 6/01/84		E E		475 CSE	475	.									
							FEE TYPE:1		\$50.00 BUDGET:069330 REV OBJ CD:943081															
							Embedded Systems Capstone																	

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E E	476	DIG INT CIRCUIT DES	WIN/2015 - AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 9/29/14									
					FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081									
COMMENT:EMAIL PREQ CHG														
E E	477	VLSI II	WIN/2015 - AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 9/29/14 APPROVED: 2/23/96									
					FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081									
COMMENT:EMAIL PREQ CHG														
E E	482	SEMICONDUCTR 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	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	WIN/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/16/13 APPROVED: 3/31/98									
COMMENT:CHG PREREQ, DESC														
E E	486	IC 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	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/04/14 APPROVED: 6/03/14									
E E	490	READINGS & 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	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	WIN/2016 - WIN/2018	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/18/15 APPROVED:12/15/15 DROPPED:12/15/15									
Engineering Entrepreneurial Capstone I														

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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/9999	2.0-05.0	10.0 Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/14/06									
				COMMENT:CHG TITLES, DESC									
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									
E E 505	PROB & RAND PROCESS Probability and Random Processes	SUM/1999 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/06 APPROVED: 9/25/75									
				COMMENT:CHANGE TITLE & PREREQS									
E E 506	FUND OF WIRE COMM Fundamentals of Wireless Communication	SPR/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/17/08									
				COMMENT:CHG TITLES, CREDITS, DESC									
E E 507	COMM THRY II Communication Theory II	SPR/1983 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00									
E E 508	STOC PROC IN ENGR Stochastic Processes in Engineering	WIN/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	E E 508 IND E 508	.	.
				LAST UPDT: 3/04/16 APPROVED: 7/16/70									
				COMMENT:CHG TTL,DSC,PREQ, ADD JT STAT									

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E E	510	MATH FOUND SYST THR	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	E E	510 A A	510 .	
					LAST UPDT: 7/31/14					APPROVED:10/24/91				
										CHEM E 510				
										M E 510				
COMMENT:14-16 PREQ CHG														
E E	511	STAT LEARNING	WIN/2005 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT: 9/28/04					APPROVED: 8/20/04				
E E	512	GRAPHICAL MODELS	SPR/2006 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT: 9/28/04					APPROVED: 8/20/04				
E E	514	INFO THEORY I	WIN/2005 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT: 8/24/04					APPROVED: 8/20/04				
E E	515	INFO THEORY II	SPR/2005 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT: 8/24/04					APPROVED: 8/20/04				
E E	516	COMP SPEECH PROC	WIN/2001 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT: 6/29/00					APPROVED: 6/28/00				
E E	517	CON-SPACE PROC	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT:11/19/15					APPROVED: 6/28/00				
E E	518	DGTL SIGNAL PROCESS	AUT/2014 - SUM/2016	4.0	.	.	.	.	.	.			.	
					LAST UPDT: 3/22/16					APPROVED: 3/18/71				
COMMENT:14-16 PREQ CHG														
E E	518	DIGITAL SIGNAL PROC	AUT/2016 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT:10/21/15					APPROVED: 3/18/71				
E E	519	STOCHASTIC ANALYSIS	SPR/1982 - AUT/9999	4.0	.	.	.	.	.	.			.	
					LAST UPDT:10/17/06					APPROVED: 6/03/71				
COMMENT:CHG TITLES, CRDT, DESC														

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E E 520	SPCTR ANALYS 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/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	E E 523	BIOEN 523	.
COMMENT:14-16 PREQ CHG					LAST UPDT: 9/19/14 APPROVED:11/17/09 CSE 586									
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	.	.	.			.
COMMENT:WAS E E 535					LAST UPDT: 7/23/15 FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081									
E E 527	MICROFABRICATION Microfabrication	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.			.
COMMENT:14-16 PREQ CHG					LAST UPDT: 7/31/14 APPROVED: 1/31/91									
E E 528	PHYSICS VLSI FAB Physics and Modeling f VLSI Fabrication	AUT/2005 -	AUT/9999	4.0	.	.	.	.	.	.	.	E E 528	MSE 528	.
					LAST UPDT: 5/26/05 APPROVED: 5/23/05									
E E 529	SEMICOND OPTOELEC Semiconductor Optoelectronics	SPR/2016 -	AUT/9999	4.0	.	.	.	.	.	.	.	E E 529	MSE 529	.
					LAST UPDT:12/20/15									

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E E	530	WAVELETS	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	STAT	530	STAT	530	.
Wavelets: Data Analysis, Algorithms, and Theory					LAST UPDT: 3/22/16 APPROVED: 1/24/96											
COMMENT:14-16 PREQ CHG																
E E	531	SEMI DEV&DEV SIMUL	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.					.
Semiconductor Devices and Device Simulation					LAST UPDT: 7/31/14 APPROVED: 6/09/88											
COMMENT:14-16 PREQ CHG																
E E	533	PHOTODETECTION	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.					.
Photodetectors and Photodetection					LAST UPDT: 7/31/14 APPROVED: 5/14/70											
COMMENT:14-16 PREQ CHG																
E E	534	POWER ELECTRONICS	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.					.
Power Electronics					LAST UPDT: 7/31/14 APPROVED: 6/01/78											
COMMENT:14-16 PREQ CHG																
E E	536	ANALOG IC SYSTEMS	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.					.
Design of Analog Integrated Circuits and Systems					LAST UPDT: 7/31/14 APPROVED: 4/28/86											
COMMENT:14-16 PREQ CHG																
E E	537	COMP METHOD SIMULAT	WIN/1994 - AUT/9999	3.0	.	.	.	.	.	.	.					.
Computation Methods for Circuit Analysis and Simulation					LAST UPDT:10/27/93 APPROVED:10/27/93											
E E	538	TOP ELECT CIR DES	AUT/2014 - AUT/9999	1.0-05.0	16.0	.	.	.	.	.	.					.
Topics in Electronic Circuit Design					LAST UPDT: 7/31/14 APPROVED: 3/02/72											
COMMENT:14-16 PREQ CHG																
E E	539	TPCS IN SOLID STATE	AUT/2014 - AUT/9999	1.0-05.0	16.0	Y	.	.	.	.	.					.
Advanced Topics in Solid-State Electronics					LAST UPDT: 7/31/14 APPROVED:11/19/70											
COMMENT:14-16 PREQ CHG																
E E	540	VLSI TESTING	WIN/2007 - AUT/9999	4.0	.	.	.	.	.	.	.					.
VLSI Testing					LAST UPDT: 4/19/06 APPROVED: 4/01/86											
COMMENT:CHG CREDITS, PREREQ																

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COLLEGE : J - Engineering
DEPARTMENT: ELECTRICAL ENGR

DEPARTMENT: ELECTRICAL ENGR										V	L	E	E	W		O								
CURRIC	COURSE	TITLE	EFFECTIVE	QUARTER	OVER	D	D	S	H	F	L	I	E	C	Q	T	M							
NUM			QUARTERS	CREDITS	-ALL	U	GRD	E	HYPH	U	N	E	P	&	N	C	M	S	N	R	I	T		
E E	541	AUTOMATIC LAYOUT	WIN/2008 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.		.		
		Automatic Layout of Integrated Circuits																						
		COMMENT:CHG PREQ																						
E E	542	ADV EMBD SYS DESIGN	AUT/2006 - AUT/9999	5.0		.		.		.	.	.	.	.	.	.	.	.	.	.		.		
		Advanced Embedded Systems Design																						
		LAST UPDT: 7/31/14																						
		APPROVED: 5/17/06																						
E E	543	ROBOT MANIPULATION	AUT/2014 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.		.		
		Models of Robot Manipulation																						
		LAST UPDT: 7/31/14																						
		APPROVED: 5/29/92																						
		COMMENT:14-16 PREQ CHG																						
E E	544	ADV ROBOT MANIP	SPR/1993 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.		.		
		Advanced Robot Manipulation																						
		LAST UPDT:12/14/92																						
		APPROVED: 5/29/92																						
E E	545	AUTONOMOUS ROBOTS	AUT/2014 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.		.		
		Autonomous Multi-Robot Systems																						
		LAST UPDT: 7/31/14																						
		APPROVED: 6/12/97																						
		COMMENT:14-16 PREQ CHG																						
E E	546	CONTROL SYS THEORY	SPR/2010 - AUT/9999	1.0-05.0	16.0	.		.		.	.	.	.	.	.	.	.	.	.	.		.		
		Advanced Topics in Control System Theory																						
		LAST UPDT: 1/20/10																						
		COMMENT:CHG MAX. CREDITS																						
E E	547	LINEAR SYSTEMS	AUT/2005 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.	E E	547 M E	547	.
		Linear Systems Theory																						
		LAST UPDT: 9/28/09																						
		COMMENT:WAS EE548; CHG PREREQ,JOINT#																			A A	547		
E E	548	LIN MULTVAR CONTROL	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	E E	548 A A	548	.
		Linear Multivariable Control																						
		LAST UPDT:10/17/06																						
		COMMENT: CHG PREREQ																			M E	548		
E E	549	ST EST & KALMAN FLTR	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	E E	549 A A	549	.
		Estimation and System Identification																						
		LAST UPDT: 4/24/12																						
		APPROVED: 9/19/81																						
		COMMENT:EMAIL PREQ CHG																			M E	549		

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P A	L I N C S W T P R G	E E C M S N P R G	R T N G	RESPONS COURSE	JOINT COURSES		
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						
E 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	570	
E E	571 HIGH FREQ CIRCUITS High Frequency Circuits and Antennas: Computation of Fields and Waves	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT:		7/31/14		APPROVED:		5/01/90						
COMMENT:14-16 PREQ CHG																
E E	572 EM I: MWAVE ENGR Electromagnetics I: Microwave Engineering	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT:		8/19/15										
E E	573 ELECTROMAGNETICS II Electromagnetics II	WIN/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT:		8/19/15										

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DEPARTMENT: ELECTRICAL ENGR																				O							
COURSE						QUARTER		OVER D		D		S H F		V		E E W				M							
CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	-ALL	U	GRD	E	HYPH	M	R	E	L	I	P	N	C	M	S	N	RESPONS	JOINT	C			
						MAX	P	SYS	D					A	S	T	P	R	G		COURSE	COURSES					
E E	574	ANTENNAS	SPR/2016	- AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.				
		Antennas: Analysis and Design						LAST UPDT: 9/23/15				APPROVED: 9/15/15															
E E	575	RADAR REMOTE SENS	WIN/2016	- AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.				
		Radar Remote Sensing						LAST UPDT: 8/19/15				APPROVED: 4/17/95															
E E	576	COMPUTER VISION	AUT/2014	- AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CSE	576 CSE	576				
		Computer Vision						LAST UPDT: 3/23/16				APPROVED: 6/22/89															
		COMMENT:14-16 PREQ CHG																									
E E	577	COMPUTER VISION	AUT/2014	- AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	CSE	577 CSE	577				
		Special Topics in Computer Vision						LAST UPDT: 7/31/14				APPROVED: 4/28/03															
		COMMENT:14-16 PREQ CHG																									
E E	578	CONVEX OPTIMIZATION	WIN/2016	- AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	A A	578 M E	578				
		Convex Optimization						LAST UPDT: 2/26/16				APPROVED: 3/29/05															
																				A A	578						
E E	579	TOPICS/EM,OPT,ACOUS	AUT/2014	- AUT/9999	1.0-05.0	16.0	.		.		.	.	.	.	.	.	.	.	.	.			.				
		Advanced Topics in Electromagnetics, Optics, and Acoustics						LAST UPDT: 7/31/14				APPROVED: 3/20/86															
		COMMENT:14-16 PREQ CHG																									
E E	580	GEOMETRIC METHODS	SPR/2007	- AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A	580 M E	580				
		Geometric Methods for Non-Linear Control Systems						LAST UPDT: 2/25/16				APPROVED: 2/21/07															
																				A A	580						
E E	581	DIGITAL CONTROL	SPR/2016	- AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.	M E	581 A A	581				
		Digital Control						LAST UPDT: 1/27/16				APPROVED: 4/29/96															
								FEE TYPE:1		\$50.00		BUDGET:069397		REV OBJ		CD:943081											
E E	582	DISCRETE EVENT SYS	AUT/2005	- AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	M E	582 A A	582				
		Introduction to Discrete Event Systems						LAST UPDT: 3/22/16				APPROVED: 4/29/96															
		COMMENT:CHG TITLES, DESCRIP, PREREQ																									
E E	583	NONLINEAR CONTR SYS	AUT/2005	- AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	E E	583 M E	583				
		Nonlinear Control Systems						LAST UPDT:10/18/06																			
		COMMENT:CHANGED JOINT STATUS,DESCR,PRE																									

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COURSE CURRIC		TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER-ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P A	E L & S	E C M T P	Q W S R G	RESPONS COURSE	JOINT COURSES	O M I T												
E 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						LAST UPDT: 4/24/12 APPROVED: 3/29/05										M E		585											
E E	586	DIG VID COD SYS Digital Video Coding Systems	AUT/2014 - AUT/9999		4.0		.	.		.	.	.	.	.			.												
COMMENT:14-16 PREQ CHG						LAST UPDT: 7/31/14 APPROVED: 9/28/98																							
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		.	.		.	.	.	.	.			.												
COMMENT:14-16 PREQ CHG						LAST UPDT: 7/31/14 APPROVED: 2/21/95																							
E E	590	ADV TPCS DIGT CMPUT Advanced Topics in Digital Computers	AUT/2014 - AUT/9999		2.0-05.0	16.0 Y		.		.	.	.	.	.			.												
COMMENT:14-16 PREQ CHG						LAST UPDT: 7/31/14																							
E 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 M E		591 591											
E E	592	RESEARCH SURVEY Electrical Engineering Research Survey	AUT/2005 - AUT/9999		1.0	2.0 .	CR/NC	.		.	.	.	.	.			.												
LAST UPDT:12/20/04 APPROVED: 1/29/98																													
E E	593	FEEDFORWARD CONTROL Feedforward Control	SPR/2006 - AUT/9999		3.0		.	.		.	.	.	.	.	M E	593 A A	593 .												
LAST UPDT: 3/22/16 APPROVED: 4/25/05						M E										593													
E E	594	ROBUST CONTROL Robust Control	WIN/2010 - AUT/9999		3.0		.	.		.	.	.	.	.	A A	594 M E	594 .												
COMMENT:CHG PREQ						LAST UPDT: 3/21/16 APPROVED: 3/29/05										A A		594											

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DEPARTMENT: ELECTRICAL ENGR

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
E E	595 ADV TPCS CMU THRY Advanced Topics in Communication Theory	AUT/2014 - AUT/9999	1.0-05.0	16.0 .	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/31/14									
					COMMENT:14-16 PREQ CHG									
E E	596 ADV TPCS S&I PROC Advanced Topics in Signal and Image Processing	AUT/2014 - AUT/9999	2.0-05.0	16.0 .	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/31/14 APPROVED: 6/23/98									
					COMMENT:14-16 PREQ CHG									
E E	597 NETWORKED DYN SYS Networked Dynamics Systems	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	A A	597 M E	597 .
					LAST UPDT: 3/21/16 APPROVED: 2/19/08									
					A A 597									
E E	599 SEL TOPICS IN E E Selected Topics in Electrical Engineering	SPR/2013 - AUT/9999	1.0-05.0	15.0 .	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/16/13									
					COMMENT:CHG CREDITS									
E E	600 INDEPN DNT STDY/RSCH Independent Study or Research	SUM/1969 - AUT/9999	0.0	999.0 .	.	11	.	.	.	.	.	.	.	.
					LAST UPDT: 4/19/10									
E E	700 MASTERS THESIS Master's Thesis	WIN/1968 - AUT/9999	0.0	999.0 .	.	11	.	.	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED: 1/01/70									
E E	800 DOCTORAL DISSERTATN Doctoral Dissertation	AUT/1970 - AUT/9999	0.0	999.0 .	.	11	.	.	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED: 1/01/70									

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D D S H F L I 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
ENGR	100	INTRO ENGR DESIGN Introduction to Engineering Design	AUT/1995 -	AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.		
						LAST UPDT: 8/07/12 APPROVED: 5/24/93 FEE TYPE:1 \$30.00 BUDGET:069618 REV OBJ CD:943081															
ENGR	101	ENGR EXPLORATION Engineering Exploration	AUT/2014 -	AUT/9999	1.0-02.0	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 3/19/14 APPROVED: 3/18/14															
ENGR	102	STUDYING ENGR Studying Engineering	SPR/2014 -	SPR/2018	1.0-03.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 2/19/14 APPROVED: 2/18/14 DROPPED: 2/18/14															
						COMMENT:TEMPORARY COURSSE															
ENGR	197	ENGR PROBLEM SOLV Engineering Problem Solving	AUT/1990 -	AUT/9999	1.0	12.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 5/07/97 APPROVED: 9/14/89															
ENGR	199	SPECIAL PROJECTS Special Projects	SPR/1979 -	AUT/9999	1.0-03.0	3.0	Y	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT:10/18/06 APPROVED: 1/28/76															
						COMMENT:CHG PREQ															
ENGR	202	SPECIAL TOPICS Special Topics	SPR/2014 -	AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 3/19/14 APPROVED: 9/15/82															
						COMMENT:CHG CREDITS															
ENGR	231	INTRO TECH COMM Introduction to Technical Communication	AUT/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 3/23/16 APPROVED: 3/15/16															
ENGR	320	ENGR CO-OP EDUC Engineering Cooperative Education	SUM/2014 -	AUT/9999	1.0-10.0	12.0	.	CR/NC	Y	.	Y	.	.	.	.	.	.	.	Y		
						LAST UPDT: 6/04/14 APPROVED: 6/03/14 FEE TYPE:2 \$360.00 BUDGET:069319 REV OBJ CD:943081															
						COMMENT:CONVERSION OF TEMP															
ENGR	321	ENGR CO-OP ED Engineering Cooperative Education	SUM/2014 -	AUT/9999	1.0-02.0	16.0	Y	CR/NC	.	12	.	Y	.	.	.	.	.	.	Y		
						LAST UPDT: 8/21/13 APPROVED: 5/30/91 FEE TYPE:2 \$500.00 BUDGET:069319 REV OBJ CD:943081															
						COMMENT:END TEMP CHG															

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E D HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
ENGR 322	ENGR CO-OP SEM Engineering Cooperative Education Postwork Seminar	AUT/1991 - AUT/9999	0.0		.	.	22	.	.	.	.			Y
COMMENT:CHG CREDITS					LAST UPDT:10/16/06 APPROVED: 5/26/77									
ENGR 360	INTRO ACOUSTICS Introductory Acoustics	SPR/1974 - AUT/9999	3.0		.	.		.	.	Y	.			.
					LAST UPDT:10/18/06 APPROVED:11/21/73									
ENGR 380	SUSTAINABLE DESIGN Design for Sustainability in the Developing World	AUT/2007 - AUT/9999	2.0		8.0	.	CR/NC	.	.	Y	.			.
					LAST UPDT: 4/26/07 APPROVED: 4/25/07									
ENGR 401	PEERS: ENGR EQUITY Leadership Development to Promote Equity in Engineering Relationships	AUT/2014 - SUM/2017	3.0		.	CR/NC	.	.	.	Y	.			.
COMMENT:TEMPORARY					LAST UPDT: 7/23/15 APPROVED: 6/03/14 DROPPED: 6/03/14									
ENGR 498	SPECIAL TOPICS Special Topics in Engineering	SPR/1980 - AUT/9999	1.0-05.0		6.0	Y	.	.	.	.	.			.
					LAST UPDT:10/18/06 APPROVED: 9/30/73									
ENGR 499	SPECIAL PROJECTS Special Projects in Engineering	WIN/1974 - AUT/9999	1.0-03.0		6.0	Y	.	.	.	.	.			.
					LAST UPDT:10/18/06 APPROVED: 8/30/73									
ENGR 598	SEMINAR SERIES ENGR Seminar Series in Engineering	WIN/1997 - AUT/9999	1.0		12.0	.	.	.	.	.	.			.
					LAST UPDT:10/17/96 APPROVED:10/24/96									
ENGR 601	INTERNSHIP Internship	AUT/2013 - AUT/9999	1.0-02.0		24.0	.	.	11	.	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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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
HCDE 100	INTR HMN CTR DS&ENG Introduction to Human Centered Design and Engineering	AUT/2009 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 6/15/09		APPROVED: 4/28/04							
COMMENT:WAS T C 100 1-2009, CHG TITLES														
HCDE 231	INTRO TECH COMM Introduction to Technical Communication	AUT/2014 - SUM/2016	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/30/16		APPROVED: 3/15/99							
COMMENT:CHG TITLES, DESC														
HCDE 231	INTRO COMM HCDE Introduction to Communication in HCDE	AUT/2016 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/30/16		APPROVED: 3/15/99							
HCDE 300	FOUNDATIONS OF HCDE Foundations of Human Centered Design and Engineering	WIN/2013 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 5/29/12		APPROVED:12/01/89							
COMMENT:EMAIL PREQ CHG														
HCDE 301	WRITTEN COMM HCDE Written Communication in Human Centered Design and Engineering	AUT/2014 - SUM/2016	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/30/16		APPROVED:12/01/89							
COMMENT:WAS HCDE 401;CHG TTLS,DESC,PRE														
HCDE 301	ADV COMM HCDE Advanced Communication in HCDE	AUT/2016 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/30/16		APPROVED:12/01/89							
HCDE 303	PROJ MGMT & CSCW Project Management and Computer Supported Collaboration and Work	AUT/2012 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 1/11/12									
COMMENT:WAS HCDE 403, CHG TTL,DESC,CRD														
HCDE 308	VISUAL COMM HCDE Visual Communication in Human Centered Design and Engineering	AUT/2014 - AUT/9999	5.0		.	.	.	.	Y	.	.			.
					LAST UPDT: 6/04/14		APPROVED: 6/03/14							
HCDE 310	INT SYS DES & TECH Interactive Systems Design and Technology	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 6/05/13									
COMMENT:CHG TITLES, DESC, PREQ														

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TIME: 20:10:04

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DEPARTMENT: HUMAN CTR DESIGN & ENGR

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F L I E C Q T										RESPONS COURSE	JOINT COURSES	O M I T
					-ALL U	GRD	E	HYPH	UNE	RE	P & A	N S	W T	E C M S N			
HCDE	313	INTRO USER RSRCH Introduction to User Research	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/21/11 APPROVED:12/20/11												
HCDE	318	INTRO USER CENT DES Introduction to User-Centered Design	AUT/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/04/14 APPROVED: 6/03/14												
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	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED: 6/15/99												
					COMMENT:WAS T C 333 1-2009, CHG DESC												
HCDE	407	SOFTWARE USER ASST Software User Assistance	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED:12/01/89												
					COMMENT:WAS T C 407 1-09, CHG DESC												
HCDE	408	PROPOSALS AND EIS Public Documents: Proposals, EISs, Assessments	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/27/09 APPROVED:12/01/89												
					COMMENT:WAS T C 408												
HCDE	409	WRITING FOR PUB WRITING FOR PUBLICATION	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/27/09 APPROVED:12/01/89												
					COMMENT:WAS T C 409												
HCDE	411	INFO VISUALIZATION Information Visualization	AUT/2015 - AUT/9999	5.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.
					LAST UPDT: 3/16/15 APPROVED:12/01/89												
					COMMENT:EMAIL PREQ CHG												
					FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081												
HCDE	417	USABILITY RESEARCH Usability Research Techniques	WIN/2013 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
					LAST UPDT: 8/23/12 APPROVED: 1/31/05												
					COMMENT:EMAIL PREQ CHG												
					FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081												

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L E C M S N	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
HCDE 418	USER EXP DESIGN User Experience Design	AUT/2015 -	AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 3/16/15 APPROVED: 1/31/05 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081 COMMENT:EMAIL PREQ CHG									
HCDE 419	CONCEPTS IN HCI Concepts in Human-Computer Interaction	AUT/2015 -	AUT/9999	5.0	.	.	.	. . Y	.	Y	.	.	.	.
					LAST UPDT: 3/16/15 APPROVED: 1/31/05 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081 COMMENT:EMAIL PREQ CHG									
HCDE 421	CURRENT PRACTICE TC Current Practices in Technical Communication	AUT/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/16/10 APPROVED: 9/21/04 COMMENT:CHG TITLES, DESC									
HCDE 422	STYLE IN TECH COMM Style in Technical Communication	AUT/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/16/10 APPROVED:12/15/05 COMMENT:CHG TITLES, DESC									
HCDE 423	TECH EDIT &DOC DEVL Introduction to Technical Editing	AUT/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/16/10 APPROVED: 9/21/04 COMMENT:CHG TITLES, DESC									
HCDE 424	AUTHOR & PROD TOOLS The Computer in Technical Communication	AUT/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/16/10 APPROVED: 9/21/04 COMMENT:CHG TITLES, DESC									
HCDE 426	SOFTWARE USER ASST Software User Assistance	AUT/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/16/10 APPROVED: 9/21/04 COMMENT:CHG TITLES, DESC									
HCDE 427	VISUAL DESIGN IN TC Production Editing	AUT/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/16/10 APPROVED: 9/21/04 COMMENT:CHG TITLES, DESC									
HCDE 435	INTRO CONTENT MGMT Introduction to Content Management	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED:12/21/01 COMMENT:WAS T C 435 1-09, CHG DESC									

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DATE: 04-11-2016
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

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

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L E C C M S T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
HCDE 493	SENIOR CAPSTONE Senior Capstone	SPR/2013 -	AUT/9999	5.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 2/15/13 APPROVED: 6/30/95 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081									
HCDE 495	PROF PRACTICE Professional Practice	AUT/2009 -	AUT/9999	3.0-10.0	10.0 Y	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED:12/01/89									
COMMENT:WAS T C 495 1-09, CHG DESC														
HCDE 496	RESEARCH IN HCDE Directed Research in Human Centered Design and Engineering	AUT/2009 -	AUT/9999	1.0-05.0	10.0 .	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED:11/26/01									
COMMENT:WAS T C 496 1-09, CHG TITLES														
HCDE 497	STUDY ABROAD: HCDE Study Abroad: Human Centered Design and Engineering	AUT/2009 -	AUT/9999	3.0-05.0	15.0 Y	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED: 1/03/01									
COMMENT:WAS T C 497 1-09, CHG TTL,DESC														
HCDE 498	SPECIAL TOPICS Special Topics	WIN/2013 -	AUT/9999	1.0-05.0	15.0 Y	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT:12/06/12 APPROVED:12/01/89									
COMMENT:ADD FEE					FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081									
HCDE 499	SPECIAL PROJECTS Special Projects	AUT/2009 -	AUT/9999	1.0-05.0	10.0 Y	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED:12/01/89									
COMMENT:WAS T C 499 1-09, CHG DESC														
HCDE 501	THEORETICAL FNDTNS Theoretical Foundations of Human Centered Design and Engineering	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED:12/01/89									
COMMENT:WAS T C 501 1-09, CHG TTL,DESC														
HCDE 502	EMPIRICAL TRADITIONS Empirical Traditions in Human Centered Design and Engineering	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/15/09 APPROVED: 5/24/93									
COMMENT:WAS T C 502 1-09, CHG TTL,DESC														
HCDE 503	NAVIG DESIGN ORG Navigating Design in Organizations	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/22/15 APPROVED: 3/18/14									
COMMENT:CHG TITLES														

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

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & A	E E N C M S W T	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
HCDE 505	COMP-ASST COMMUN Computer-Assisted Communication	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS T C 505					LAST UPDT: 1/27/09 APPROVED:12/01/89									
HCDE 508	VISUAL COMM Visual Communication	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 1/23/15 APPROVED: 9/17/13									
HCDE 509	SCIENTIFIC ARTICLE Writing the Scientific Article	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS T C 509					LAST UPDT: 1/27/09 APPROVED:11/21/94									
HCDE 510	INFORMATION DESIGN Information Design	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS T C 510					LAST UPDT: 1/27/09 APPROVED:12/01/89									
HCDE 511	INFO VISUALIZATION Information Visualization	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 3/19/12 APPROVED: 5/21/01									
HCDE 512	INTL USER EXP & COM International User Experience and Communication	SPR/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 3/19/10 APPROVED: 6/23/98									
HCDE 513	GLOB & LOC MGMT Globalization and Localization Management	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 4/18/11 APPROVED: 3/16/10									
HCDE 514	STRT INTL PROD MGMT Strategies for International Product Management	WIN/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TTL,DSC,CRDT,HRS					LAST UPDT: 4/18/11 APPROVED: 3/16/10									
HCDE 515	ECO INFO SYS Ecological Information Systems	AUT/2009 -	SPR/2016	4.0	.	.	.	.	.	.	.	LIS 515	INSC 515	.
COMMENT:WAS T C 515					LAST UPDT:11/18/15 APPROVED: 5/29/03 DROPPED:11/17/15 LIS 515									

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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
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COLLEGE : J - Engineering
DEPARTMENT: HUMAN CTR DESIGN & ENGR

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M S T P	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
HCDE 516	EXPRMNTL RSCH MTHDS Experimental Research Methods	AUT/2009 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 6/15/09									
COMMENT:WAS T C 516- 1-09, CHG TTL,DES														
HCDE 517	USABILITY STUDIES Usability Studies	AUT/2014 - AUT/9999	4.0		.	.	.	Y	.	.	.			.
					LAST UPDT: 2/19/14 APPROVED:12/01/89									
COMMENT:CHG TITLES					FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081									
HCDE 518	USER-CENTERED DESIGN User-Centered Design	AUT/2009 - AUT/9999	4.0		.	.	.	.	.	.	.	HCDE 518	IND E 545	.
					LAST UPDT: 1/27/09 APPROVED:11/25/03									
COMMENT:WAS T C 518														
HCDE 519	QUAL RES METHODS Qualitative Research Methods	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/19/14 APPROVED: 3/16/10									
COMMENT:CHG DESC, CREDITS														
HCDE 520	DES & MGT COMP SYS Design and Management of Complex Systems	SPR/2013 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 1/25/16 APPROVED: 5/31/90									
COMMENT:CHG TITLES														
HCDE 521	SEMINAR ISSUES HCDE Seminar: Current Issues in Human Centered Design and Engineering	AUT/2009 - AUT/9999	1.0-02.0	3.0 Y CR/NC	.	.	.	.	.	.	.			.
					LAST UPDT: 6/15/09 APPROVED:12/01/89									
COMMENT:WAS T C 521 1-09, CHG TTL,DESC														
HCDE 523	DUB SEMINAR Design Use Build (DUB) Seminar	AUT/2014 - AUT/9999	1.0	3.0 . CR/NC	.	.	.	.	.	.	.			.
					LAST UPDT: 6/04/14 APPROVED: 7/13/05									
COMMENT:CHG TTLS, PREQ, DESC														
HCDE 530	COMP CONCEPTS HCDE 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									

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS											RESPONS COURSE	JOINT COURSES	O M I T
						OVER D	-ALL U	GRD	D	S H F	L I	V	E E	W				
						MAX	P	SYS	E	UNE	P & N	A S W	T P R	G				
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	AUT/2009 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:WAS T C 535				LAST UPDT: 1/27/09					APPROVED: 6/25/03							
HCDE	536	INTER DESIGN PROTO Interaction Design and Prototyping	AUT/2014 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:CHG TITLES, DESC, PREQ				LAST UPDT: 3/19/14					APPROVED:11/20/12							
HCDE	537	USER-CTR WEB DESIGN User-Centered Web Design	SPR/2014 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:CHG CRDT, 3-18-14 DESC, PREQ				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							
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							

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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								
HCDE 596	RESEARCH IN HCDE Directed Research in Human Centered Design and Engineering	AUT/2009 -	AUT/9999	1.0-05.0	18.0	.	CR/NC	.	.	.	.	.	.
					LAST UPDT: 6/15/09		APPROVED:11/26/01						
					COMMENT:WAS T C 596 1-09, CHG TTL,DESC								
HCDE 597	TEACHING TECH COMM Approaches to Teaching Technical Communication	AUT/2009 -	AUT/9999	1.0-02.0	2.0	.	CR/NC	.	.	.	.	.	.
					LAST UPDT: 6/15/09		APPROVED: 1/29/98						
					COMMENT:WAS T C 597 1-09, CHG DESC								

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HCDE 598	SPECIAL TOPICS Special Topics	WIN/2013 -	AUT/9999	1.0-05.0	6.0 Y	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT:12/06/12 APPROVED: 4/01/86 FEE TYPE:1 \$50.00 BUDGET:069657 REV OBJ CD:943081									
HCDE 599	SPECIAL PROJECTS Special Projects	AUT/2009 -	AUT/9999	1.0-05.0	5.0 Y	.	.	. . .	.	.	.	.	.	.
					LAST UPDT: 1/27/09									
					COMMENT:ADD FEE									
HCDE 600	IND STUDY/RESEARCH Independent Study or Research	AUT/2009 -	AUT/9999	0.0	999.0 .	.	11	. . .	.	.	.	.	.	.
					LAST UPDT: 7/23/15 APPROVED:12/01/89									
					COMMENT:WAS T C 599									
HCDE 601	INTERNSHIP Internship	AUT/2009 -	AUT/9999	2.0-10.0	10.0 Y	.	.	. . .	.	.	.	.	.	.
					LAST UPDT: 1/27/09 APPROVED:12/01/89									
					COMMENT:WAS T C 600									
HCDE 700	MASTER'S THESIS Master's Thesis	AUT/2009 -	AUT/9999	0.0	999.0 .	.	11	. . .	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED:12/01/89									
					COMMENT:WAS T C 601									
HCDE 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/2009 -	AUT/9999	1.0-10.0	999.0 .	CR/NC .	11	. . .	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED:11/25/03									
					COMMENT:WAS T C 700									
					COMMENT:WAS T C 800									

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IND E 101	INTRODUCTION TO IE Introduction to Industrial Engineering	SPR/2002 - AUT/9999		1.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 1/29/02		APPROVED: 1/28/02							
IND E 250	ENGR ECON Fundamentals of Engineering Economy	AUT/1999 - AUT/9999		4.0	.	.	.	.	.	Y	.	.	.	.
					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	.	.	.	.	.	Y	.	.	.	.
					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	.	.	.	.	.	Y	.	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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IND E 411	STCH MODL & DEC ANL Stochastic Models and Decision Analysis	SPR/2007 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:WAS IND E 311					LAST UPDT: 3/04/16 APPROVED:12/18/86									
IND E 412	INTEGER & DYNAMIC PR Integer and Dynamic Programming	SPR/2007 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:WAS IND E 312					LAST UPDT: 9/28/09 APPROVED:12/18/86									
IND E 424	SIMULATION Simulation	WIN/2005 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREREQ CHANGE					LAST UPDT: 3/04/16 APPROVED:12/18/86									
IND E 426	REL ENG & SYS SAFE Reliability Engineering and System Safety	WIN/2005 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:CHG CREDITS, CONTACT HRS.					LAST UPDT: 3/04/16 APPROVED: 1/24/96									
IND E 430	MANU SCHED AND INV Manufacturing Scheduling and Inventory	WIN/2008 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/04/16 APPROVED: 9/18/91									
IND E 439	LAYOUT & MATL HAND Plant Layout and Material Handling	WIN/2008 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/04/16 APPROVED: 1/24/96									
IND E 455	USER INTERFACE DES User Interface Design	AUT/2009 - AUT/9999		4.0	.	.	.	.	.	.	.	IND E 455	HCDE 455	.
COMMENT:CHG JT PREFIX					LAST UPDT: 1/27/09 APPROVED: 5/01/90									
IND E 470	SYSTEMS ENGINEERING Systems Engineering	AUT/2007 - AUT/9999		4.0	.	.	.	.	.	.	.	IND E 470	A A 470	.
COMMENT:WAS INDE280, CHG TLS, PRQ,DESC					LAST UPDT: 6/26/07 APPROVED: 6/01/99									
IND E 494	DES IN MANUF FIRM Design in the Manufacturing Firm	WIN/2013 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT:11/05/12 APPROVED: 5/31/90									

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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	SPR/2013 -	SUM/2016	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:INITIAL DL					LAST UPDT:12/19/12 APPROVED:12/18/12									
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	515	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/22/16 APPROVED: 3/28/94 MATH 515									

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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								
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		.	.	.	.	.	.			.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/04/16 APPROVED: 6/28/93								
IND E 524	ROB DES QLTY ENGR Robust Design and Quality Engineering	AUT/1999 - AUT/9999	3.0		.	.	.	.	.	.			.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 4/28/99 APPROVED: 1/24/96								
IND E 526	RELIABILITY Reliability in Product Design and Testing	AUT/1999 - AUT/9999	3.0		.	.	.	.	.	.			.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/04/16 APPROVED: 6/28/93								
IND E 531	CIM SYSTEMS Computer Integrated Manufacturing	WIN/2003 - AUT/2016	3.0		.	.	.	.	.	.	IND E 531	M E 505	.
COMMENT:CHG: ADD JOINT COURSE					LAST UPDT: 3/22/16 APPROVED: 6/28/93 DROPPED: 3/15/16								
IND E 535	ENGINRNG SIMULATION Engineering Simulation	WIN/2000 - AUT/9999	3.0		.	.	.	.	.	.			.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/04/16 APPROVED: 6/28/93								
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 538	LARGE ASSEMBLY MFG Large Assembly Manufacturing Systems	AUT/1999 - SPR/2016	3.0		.	.	.	.	.	.			.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/22/16 APPROVED: 6/28/93 DROPPED: 3/15/16								

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IND E 541	HUMAN FACTORS ENGR HUMAN FACTORS ENGINEERING	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 4/28/99 APPROVED: 6/28/93									
IND E 543	VIRTUAL INTRFC TECH Virtual Interface Technology	AUT/1999 -	SUM/2016	1.0-03.0	3.0	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/22/16 APPROVED: 6/28/93									
IND E 543	VIRTUAL INTRFC TECH Virtual Interface Technology	AUT/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/22/16 APPROVED: 6/28/93									
IND E 544	VIRTUAL WORLD DEVL Virtual World Development	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 4/28/99 APPROVED: 6/28/93									
IND E 545	USER-CENTERED DESIGN User-Centered Design	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	HCDE 518	HCDE 518	.
COMMENT:CHG JT STATUS					LAST UPDT: 1/27/09 APPROVED:11/25/03									
IND E 546	ANYL METH TRANS I Analytical Methods in Transportation I	SUM/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	CEE 584	CEE 584	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/23/16 APPROVED: 1/28/00									
IND E 549	HUMAN FACTORS Human Factors in Engineering Design	SPR/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	IND E 549	ENV H 549	.
COMMENT:TEMPORARY					LAST UPDT: 1/21/09 APPROVED: 1/20/09									
IND E 551	ENTERPRISE MODELING Elements of Dynamic Enterprise Modeling	AUT/2004 -	SPR/2016	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/22/16 APPROVED: 8/20/04 DROPPED: 3/15/16									
IND E 552	ENTERPRISE CONTROL Introduction to Real-Time Enterprise Control	AUT/2004 -	SPR/2016	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/22/16 APPROVED: 8/20/04 DROPPED: 3/15/16									

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IND E 553	ENTERPRISE PROCESSES Modeling and Automation of Enterprise Processes	AUT/2004 - SPR/2016	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/22/16 APPROVED: 8/20/04 DROPPED: 3/15/16									
IND E 555	HEALTH SYSTEMS ENGR HEALTH SYSTEMS ENGINEERING	AUT/1999 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 4/28/99 APPROVED: 6/28/93									
					COMMENT: CONV OF TEMP TO PERM									
IND E 564	HLTH & SAF PROB-IND Recognition of Health and Safety Problems in Industry	SPR/2008 - AUT/9999	2.0		.	.	.	.	.	.	.	ENV H 564	ENV H 564	.
					LAST UPDT: 11/21/07 APPROVED: 2/26/03									
					COMMENT: CHG CREDITS									
IND E 566	INTRO TO ERGON Introduction to Ergonomics	WIN/2006 - AUT/9999	3.0		.	.	.	.	.	.	.	ENV H 566	NSG 508	.
					LAST UPDT: 3/22/16 APPROVED: 11/19/81									
					ENV H 566									
IND E 567	APPLIED OCC HEALTH Applied Occupational Health and Safety	SPR/2006 - AUT/9999	3.0		.	.	.	.	.	.	.	ENV H 559	ENV H 559	.
					LAST UPDT: 1/26/06 APPROVED: 2/26/03									
					NSG 505									
IND E 569	OCCUP BIOMECHANICS Occupational Biomechanics	AUT/1999 - AUT/9999	4.0		.	.	.	.	.	.	.	ENV H 569	ENV H 569	.
					LAST UPDT: 3/23/16 APPROVED: 10/22/87									
					COMMENT: CONV OF TEMP TO PERM									
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 571	HUMANTRN LOGISTICS Humanitarian Logistics	AUT/2012 - SPR/2016	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/22/16 APPROVED: 6/19/12 DROPPED: 3/15/16									
IND E 575	INVENTORY MGMT Inventory Management	WIN/2014 - SPR/2017	5.0		.	.	.	.	.	.	.	SCTL 503	SCTL 503	.
					LAST UPDT: 4/16/13 APPROVED: 4/16/13									
					COMMENT: INITIAL DL									
IND E 575	INVENTORY MGMT Inventory Management	SUM/2017 - AUT/9999	5.0		.	.	.	.	.	.	.	SCTL 503	SCTL 503	.
					LAST UPDT: 4/16/13 APPROVED: 4/16/13									
					COMMENT: END INITIAL DL									

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						-ALL	U	GRD	E	U	N	E	P	&	N	C	M	S	N				A	S	W

IND	E	576	FAC DES & OP MGMT Facility Design and Operations Management	SPR/2014 - SUM/2017	5.0		.		.		.	.	.	.	.	.	.	.	.	SCTL	504	SCTL	504	.	
						LAST	UPDT:	4/16/13	APPROVED: 4/16/13																
						COMMENT:INITIAL DL																			
IND	E	576	FAC DES & OP MGMT Facility Design and Operations Management	AUT/2017 - AUT/9999	5.0		.		.		.	.	.	.	.	.	.	.	.	SCTL	504	SCTL	504	.	
						LAST	UPDT:	4/16/13	APPROVED: 4/16/13																
						COMMENT:END INITIAL DL																			
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	SPR/2013 - SUM/2016	3.0		.		.		.	.	.	.	.	.	.	.	.					.	
						LAST	UPDT:	12/19/12	APPROVED:12/18/12																
						COMMENT:INITIAL DL																			
IND	E	583	DECISION ANALYSIS Decision Analysis in Engineering	AUT/2016 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.					.	
						LAST	UPDT:	12/19/12	APPROVED:12/18/12																
						COMMENT:END INITIAL DL																			
IND	E	584	PROJECT PERFORMANCE Project Performance	SUM/2013 - AUT/2016	3.0		.		.		.	.	.	.	.	.	.	.	.					.	
						LAST	UPDT:	12/19/12	APPROVED:12/18/12																
						COMMENT:INITIAL DL																			
IND	E	584	PROJECT PERFORMANCE Project Performance	WIN/2017 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.					.	
						LAST	UPDT:	12/19/12	APPROVED:12/18/12																
						COMMENT:END INITIAL DL																			
IND	E	585	SYSTEMS ARCH & MBSE Systems Architecture and Model-Based Systems Engineering	AUT/2016 - WIN/2019	3.0		.		.		.	.	.	.	.	.	.	.	.					.	
						LAST	UPDT:	12/20/15	APPROVED:12/15/15																

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IND E 585	SYSTEMS ARCH & MBSE Systems Architecture and Model-Based Systems Engineering	SPR/2019 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT:12/20/15					APPROVED:12/15/15				
IND E 591	SEMINAR Seminar	AUT/2002 - AUT/9999	1.0		.	CR/NC	.	13	.	.	.			.
					LAST UPDT: 5/09/02					APPROVED: 6/28/93				
					COMMENT:CHG CREDITS, DESCRIPT.									
IND E 592	SEMINAR Seminar	AUT/2002 - AUT/9999	1.0		.	CR/NC	.	23	.	.	.			.
					LAST UPDT: 5/09/02					APPROVED: 6/28/93				
					COMMENT:CHG CREDITS, DESCRIPT									
IND E 593	SEMINAR Seminar	AUT/2002 - AUT/9999	1.0		.	CR/NC	.	33	.	.	.			.
					LAST UPDT:12/27/01					APPROVED: 6/28/93				
					COMMENT:CHG DESCRIPTION									
IND E 594	MGMT OF ENGR MANAGEMENT OF ENGINEERING DESIGN	AUT/1999 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 4/28/99					APPROVED: 2/23/96				
					COMMENT:CONV OF TEMP TO PERM									
IND E 595	GLBL INT SYS ENGR Global Integrated Systems Engineering	AUT/2010 - AUT/9999	4.0-06.0	10.0	.	.	.	11	.	.	.	IND E 595 A A	595	.
					LAST UPDT: 3/04/16					APPROVED: 6/17/08				
					COMMENT:CHG CREDITS, DESC, HOURS									
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				

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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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M E 123	VISUALIZATION & CAD Introduction to Visualization and Computer-Aided Design	AUT/2011 - AUT/9999	4.0		.	.	.	. . Y	Y . Y					.
COMMENT:ADD FEE					LAST UPDT: 8/14/12 APPROVED: 2/25/00 FEE TYPE:1 \$30.00 BUDGET:069397 REV OBJ CD:943081									
M E 124	CAD LAB Visualization and Computer-Aided Design Laboratory	AUT/2002 - AUT/9999	2.0		.	.	.	.	Y . Y					.
					LAST UPDT: 1/29/02 APPROVED: 1/28/02									
M E 230	KINEMATICS & DYNS Kinematics and Dynamics	SUM/2010 - AUT/9999	4.0		.	.	.	.	. . Y					.
COMMENT:EMAIL PREQ ALL LEVELS					LAST UPDT: 5/21/10 APPROVED: 3/15/99									
M E 295	PRODUCT DISSECTION PRODUCT DISSECTION	SPR/1996 - AUT/9999	3.0		.	.	.	.				M E 295	IND E 295	.
					LAST UPDT: 2/11/08 APPROVED:12/27/95									
M E 303	METAL MACHINING METAL MACHINING	WIN/1975 - AUT/9999	2.0		.	.	.	.						.
COMMENT:WAS M E 203, CHG CRDT					LAST UPDT:10/20/06 APPROVED: 6/22/72									
M E 323	ENGR THERMODYNAMICS Engineering Thermodynamics	SUM/2012 - AUT/9999	5.0		.	.	.	.						.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 5/10/12 APPROVED: 5/06/71									
M E 331	INTRO HEAT TRANSFER Introduction to Heat Transfer	WIN/1970 - AUT/9999	4.0		.	.	.	. . Y						.
					LAST UPDT: 8/14/12 FEE TYPE:1 \$10.00 BUDGET:069397 REV OBJ CD:943081									
M E 333	INTRO TO FLUID MECH Introduction to Fluid Mechanics	AUT/2008 - AUT/9999	5.0		.	.	.	. . Y						.
COMMENT:CHG PREQ, CORRECTED 6/7/2007					LAST UPDT: 8/14/12 APPROVED: 9/01/71 FEE TYPE:1 \$10.00 BUDGET:069397 REV OBJ CD:943081									
M E 341	ENERGY & ENVIRON Energy and Environment	AUT/2014 - AUT/9999	3.0		.	.	.	.	. . Y			CHEM E341	ENVIR 341	.
COMMENT:CHG RESP DEPT					LAST UPDT: 3/22/16 APPROVED: 1/24/94 CHEM E 341									

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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 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														
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														
M E 426	RENEWABLE ENERGY II Renewable Energy II	SPR/2016 - AUT/9999	3.0		.	.	.	.	.	.	.			.
LAST UPDT: 7/23/15 APPROVED:11/20/80														

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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	.	.	.	.	.	.	.	.	.	.
COMMENT:CHANGE DESCRP, PREREQUISITES				LAST UPDT:10/20/06 APPROVED: 6/28/73									
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	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES				LAST UPDT:10/20/06									
M E 433	TURBOMACHINERY Turbomachinery	SPR/1998 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHANGE PREREQ, DESCRIP				LAST UPDT:10/20/06 APPROVED:10/12/72									
M E 434	ADV MECH ENGR LAB ADVANCED MECHANICAL ENGINEERING LABORATORY	SPR/1980 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG DESC				LAST UPDT:10/20/06									
M E 436	FRICTION AND WEAR FRICTION AND WEAR OF MATERIALS	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHANGE DESCRIPTION				LAST UPDT: 1/31/96									
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	.
COMMENT:CHG PREQ - JT STATUS				LAST UPDT: 3/19/14 APPROVED: 5/24/93									

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M E 445	INTRO TO BIOMECH Introduction to Biomechanics	SPR/2001 -	AUT/9999	4.0	.	.	.	.	.	.	.	BIOEN 440	BIOEN 440	.
					LAST UPDT:12/07/00 APPROVED:12/30/98									
					COMMENT:CHG TITLES, CREDITS, COURSE DE									
M E 450	INTRO COMP MATL DES Introduction to Composite Materials and Design	AUT/1996 -	AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.
					LAST UPDT: 8/14/12 APPROVED:10/22/87									
					COMMENT:CHANGE PREREQ, DESCRIPTION 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	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/20/06 APPROVED: 1/24/96									
					COMMENT:GENCAT REVIEW PREREQ CHANGE									
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	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/20/06									
					COMMENT:CHG CREDITS, PREQ									
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	.	.	.	.	.	.
					LAST UPDT: 8/14/12									
					COMMENT:CHG CREDITS, DESC FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081									

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U	D GRD E	S H F U N E	V L I	E E P & N C M S N	W R T	RESPONS COURSE	JOINT COURSES	O M I T
M E 473	INSTRUMENTATION Instrumentation	AUT/2000 - AUT/9999	4.0		.	.	. . Y	.	.	.			.
					LAST UPDT: 8/14/12								
					COMMENT:CHG CREDITS, CRS DESCRIPT FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081								
M E 474	SYST MOD AND SIMULA SYSTEMS MODELING AND SIMULATION	SPR/1980 - AUT/9999	3.0		.	.	. . .	.	.	.			.
					LAST UPDT:10/20/06 APPROVED: 4/12/73								
					COMMENT:CHG DESC								
M E 477	EMBEDDED COMPUTING Embedded Computing in Mechanical Systems	AUT/2008 - AUT/9999	4.0		.	.	. . Y	.	.	.			.
					LAST UPDT: 8/14/12 APPROVED: 6/23/83								
					COMMENT:CHG DESC PER 08-10 CAT UPDATE FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081								
M E 478	FINTE ELEMENT ANLYS Finite Element Analysis	AUT/2002 - AUT/9999	4.0		.	.	. . Y	.	.	.			.
					LAST UPDT: 8/14/12 APPROVED:12/19/85								
					COMMENT:GENCAT REVIEW PREREQ CHANGE FEE TYPE:1 \$22.00 BUDGET:069397 REV OBJ CD:943081								
M E 480	CAD TECHNOLOGY Introduction to Computer-Aided Technology	SPR/2010 - AUT/9999	4.0		.	.	. . Y	.	.	.			.
					LAST UPDT: 8/14/12 APPROVED: 5/24/84								
					COMMENT:EMAIL PREQ CHG FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081								
M E 481	IC ENGINES Internal Combustion Engines	SPR/2014 - AUT/9999	4.0		.	.	. . .	.	.	.			.
					LAST UPDT: 3/03/14								
					COMMENT:CHG TITLES, DESC, PREQ								
M E 485	ELECTRNC PACKAGING Introduction to Electronic Packaging and Materials	WIN/1997 - AUT/9999	3.0		.	.	. . Y	.	.	.	M E 485 MSE 485	.	.
					LAST UPDT: 8/14/12 APPROVED: 4/29/96								
					FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081								
M E 487	ELECT PKG LAB Laboratory in Electronic Packaging and Materials	WIN/2000 - AUT/9999	1.0		.	.	. . Y	.	.	.	M E 487 MSE 487	.	.
					LAST UPDT: 8/14/12 APPROVED: 2/03/99								
					FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081								
M E 490	NAVAL ARCHITECTURE NAVAL ARCHITECTURE	WIN/1988 - AUT/9999	3.0		.	.	. . .	.	.	.			.
					LAST UPDT: 2/07/14 APPROVED:12/01/87								

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M E 491	NAVAL ARCHITECTURE NAVAL ARCHITECTURE	WIN/1988 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 2/07/14									
					COMMENT:DROP JT									
M E 492	NAVAL ARCHITECTURE NAVAL ARCHITECTURE	WIN/1988 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 2/07/14									
					COMMENT:DROP JT									
M E 494	MECHATRONICS PREP Mechatronics Design Preparation	SPR/2012 - AUT/9999	1.0		.	.	.	.	.	.	.			.
					LAST UPDT: 1/03/12 APPROVED:12/20/11									
M E 495	MECH ENGR DESIGN Mechanical Engineering Design	AUT/1986 - AUT/9999	4.0		.	.	.	Y	.	.	.			.
					LAST UPDT: 8/14/12 APPROVED: 5/06/71									
					FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081									
M E 496	TECH-BASED ENTREPRE Technology-Based Entrepreneurship	SPR/2013 - AUT/9999	3.0		.	.	.	.	.	.	.	IND E 496	IND E 496	.
					LAST UPDT: 2/14/13 APPROVED: 1/24/96									
					COMMENT:EMAIL PREQ CHG									
M E 498	SPEC TPCS MECH ENGR Special Topics in Mechanical Engineering	AUT/1972 - AUT/9999	1.0-05.0	6.0	Y	.	.	Y	.	.	.			.
					LAST UPDT: 8/14/12 APPROVED: 4/27/72									
					FEE TYPE:1 \$75.00 BUDGET:069397 REV OBJ CD:943081									
M E 499	SPECIAL PROJECTS Special Projects	AUT/2004 - AUT/9999	2.0-05.0	6.0	Y	.	.	Y	.	.	.			.
					LAST UPDT: 8/14/12									
					FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081									
M E 500	ADV COMPOSITE STRUC Advanced Composite Structural Analysis	SPR/2012 - AUT/9999	3.0		.	.	.	.	.	.	.	A A 535	A A 535	.
					LAST UPDT: 2/29/12 APPROVED: 2/28/12									
M E 501	MFG PROCESSES Modern Manufacturing Processes	AUT/1999 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 2/08/99 APPROVED: 2/03/99									

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M E	502	PLAST AND MET FORM PLASTICITY AND METAL FORMING	SPR/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/23/06									
COMMENT:CHG TITLES, PREQ														
M E	503	CONTINUUM MECH Continuum Mechanics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	A A	503 A A	503 .
					LAST UPDT: 4/20/09 APPROVED: 4/21/09									
COMMENT:ADD JT WITH A A 503														
M E	504	INTRO TO MEMS Introduction to Microelectro Mechanical Systems	AUT/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	E E	502 E E	502 .
					LAST UPDT: 5/22/01 APPROVED: 9/20/99 MSE 504									
COMMENT:CHANGE JOINT STATUS														
M E	505	CIM SYSTEMS Computer Integrated Manufacturing	WIN/2003 - AUT/2016	3.0	.	.	.	.	.	.	.	IND E 531	IND E 531	.
					LAST UPDT: 3/22/16 APPROVED: 6/28/93 DROPPED: 3/15/16									
COMMENT:CHG: ADD JOINT COURSE														
M E	507	FLUID MECHANICS Fluid Mechanics	SUM/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	A A	507 A A	507 .
					LAST UPDT: 6/04/14 APPROVED: 8/24/10									
COMMENT:CHANGE PREQ														
M E	508	MEASUREMENT SYSTEMS Theory and Design for Mechanical Measurements	WIN/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/24/04 APPROVED:11/23/04									
M E	510	MATH FOUND SYST THR Mathematical Foundations of Systems Theory	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	E E	510 A A	510 .
					LAST UPDT: 7/31/14 APPROVED:10/24/91 E E 510 CHEM E 510									
COMMENT:14-16 PREQ CHG														
M E	511	BIOFRAMEWORKS Biological Frameworks for Engineers	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/29/12 APPROVED: 2/28/12									
M E	515	LIFE CYCLE ASSESS Life Cycle Assessment	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/19/08 APPROVED: 3/18/08									

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M E 518	SEMINAR IN MFG MGMT SEMINARS IN MANUFACTURING AND MANAGEMENT	AUT/1999 - AUT/9999	1.0		.	.	.	.	.	.	.	M E 518	IND E 518	.
					LAST UPDT:10/23/06									
					COMMENT:CHANGE TITLE CRDTS DESC P HYPH									
M E 519	SEMINAR SEMINAR	AUT/1999 - AUT/9999	0.0		.	CR/NC	.	12	.	.	.			.
					LAST UPDT:10/23/06									
					COMMENT:DROPPED 518 FROM HYPHEN SERIES									
M E 520	SEMINAR Seminar	AUT/1999 - AUT/9999	1.0		6.0	Y CR/NC	.	22	.	.	.			.
					LAST UPDT:10/23/06									
					COMMENT:DROPPED 518 FROM HYPHEN SERIES									
M E 521	THERMODYNAMICS Thermodynamics	AUT/1975 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT:10/23/06									
					COMMENT:CHG TITLES									
M E 522	THERMODYNAMICS Thermodynamics	SPR/1994 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT:10/23/06									
					COMMENT:CHANGE DESCRIPTION									
M E 523	ENERGY ENVIR SEMINAR Energy and Environment Seminar	AUT/2000 - AUT/9999	1.0		20.0	.	CR/NC	.	.	.	.			.
					LAST UPDT: 3/15/00 APPROVED: 2/28/94									
					COMMENT:CHG DESCRIPT, TITLES									
M E 524	COMBUSTION Combustion	SPR/1971 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 0/00/00									
M E 525	APPLIED ACOUSTICS Applied Acoustics I	AUT/2008 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 2/15/08									
					COMMENT:CHG TITLES, DESC									
M E 526	SPEC TPCS ACOUSTICS Special Topics in Acoustics	AUT/2008 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 2/15/08 APPROVED: 6/04/70									
					COMMENT:CHG TITLES, DESC									

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M E 537	TOPICS FLUID MECH Topics in Fluid Mechanics	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06											
				COMMENT:CHG TITLES, DESC											
M E 538	ADVANCED FLUIDS Advanced Fluid Mechanics	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15 APPROVED: 4/24/15											
M E 539	RENEWABLE ENERGY I Renewable Energy I	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/12 APPROVED: 3/20/12											
M E 540	RENEWABLE ENERGY II Renewable Energy II	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/29/12 APPROVED: 2/28/12											
M E 541	FATIGUE MATLS Fatigue of Materials	SPR/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/23/06											
				COMMENT:CHG TITLES											
M E 542	TPCS ENGR MATERIALS TOPICS IN ENGINEERING MATERIALS	SPR/1972 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/22/09											
M E 543	FLUID TURBULENCE Fluid Turbulence	AUT/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/29/94											
				COMMENT:CHANGE DESCRIPTION, PREREQ											
M E 544	ADV FLUID TURB Advanced Turbulence Modeling Techniques	AUT/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/29/94											
				COMMENT:CHANGE DESCRIPTION, PREREQ.											
M E 546	MICRO HEAT TRANSFER Micro-Scale Heat Transfer	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/29/12 APPROVED:12/20/11											
M E 547	LINEAR SYSTEMS Linear Systems Theory	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	E E	547 E E	547 .
				LAST UPDT: 9/28/09											
				A A 547											
COMMENT:WAS M E 575; CHG PREREQ;JOINT#															

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M E	548	LIN MULTVAR CONTROL Linear Multivariable Control	AUT/2005 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	E E	548 A A	548 .			
						LAST UPDT: 3/21/16										E E	548		
COMMENT: CHG PREREQ																			
M E	549	ST EST & KALMAN FLTR Estimation and System Identification	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	E E	549 A A	549 .			
						LAST UPDT: 3/21/16										APPROVED: 9/19/81	E E	549	
COMMENT:EMAIL PREQ CHG																			
M E	550	NONLIN OPT CONTROL Nonlinear Optimal Control	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	E E	550 A A	550 .			
						LAST UPDT: 7/31/14										APPROVED: 2/28/92	E E	550	
COMMENT:14-16 PREQ CHG																			
M E	551	ELASTICITY I Elasticity I: Elastostatics	AUT/1992 -	AUT/9999	3.0	.	.	.	.	.	.	.	.			.			
						LAST UPDT:10/23/06													
COMMENT:CHG TITLES, DESC																			
M E	552	VISCOELASTICITY Viscoelasticity and Plasticity	SPR/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.			.			
						LAST UPDT:12/19/11										APPROVED: 3/31/92			
COMMENT:CHG TITLES, DESC																			
M E	553	ADHESION MECHANICS Adhesion Mechanics	SPR/1986 -	AUT/9999	3.0	.	.	.	.	.	.	.	.			.			
						LAST UPDT:10/23/06										APPROVED: 6/27/85			
COMMENT:CHANGE DESCRIPTION																			
M E	556	EXP STRESS ANLYS I Experimental Stress Analysis I	SUM/1990 -	AUT/9999	3.0	.	.	.	.	Y	.	.	.			.			
						LAST UPDT: 8/14/12													
COMMENT:CHG TITLES, DESC						FEE TYPE:1 \$25.00 BUDGET:069397 REV OBJ CD:943081													
M E	557	EXP STRESS ANLYS II Experimental Stress Analysis II	SUM/1990 -	AUT/9999	3.0	.	.	.	.	Y	.	.	.			.			
						LAST UPDT: 8/14/12													
COMMENT:CHG TITLES, DESC						FEE TYPE:1 \$10.00 BUDGET:069358 REV OBJ CD:943081													

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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	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/23/06														
COMMENT:CHG TITLES, DESC														
M E 560	ADV THY FRACTURE ADVANCED THEORY OF FRACTURE	WIN/1997 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/23/06 APPROVED: 4/12/73														
COMMENT:CHG TITLES, DESC														
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	.
LAST UPDT:10/23/06 APPROVED: 2/23/89														
COMMENT:CHANGE TITLE & DESCRIPTION														
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 ANALYS Mechanical Engineering Analysis	AUT/1975 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/23/06														
COMMENT:CHG TITLES														
M E 565	MECHNCL ENGR ANALYS Mechanical Engineering Analysis	AUT/1975 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/23/06														
COMMENT:CHG TITLES														
M E 566	RANDOM PROCESSES INTRODUCTION TO RANDOM PROCESSES	SPR/1994 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/23/06 APPROVED: 9/18/85														
COMMENT:CHANGE DESCRIPTION														

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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/9999	3.0	.	.	.	.	. Y	.	.	.	.	M E	581	A A	581 .
					LAST UPDT:		1/27/16		APPROVED:		4/29/96						
					FEE TYPE:1		\$50.00		BUDGET:069397		REV OBJ CD:943081						
M E	582	DISCRETE EVENT SYS Introduction to Discrete Event Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	M E	582	A A	582 .
					LAST UPDT:		10/23/06		APPROVED:		4/29/96						
					COMMENT:CHG TITLES, DESCRIPT, PREREQ												

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M E	583	NONLINEAR CONTR SYS Nonlinear Control Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	E E	583 A A	583 .			
					LAST UPDT: 3/21/16								E E	583			
COMMENT:CHANGE JOINT STATUS,DESC,PRERE																	
M E	584	COMBUS AIRB PROPLSN COMBUSTION IN AIRBREATHING PROPULSION	AUT/1992 - AUT/9999	3.0	.	.	.	.	.	.	.			.			
					LAST UPDT:10/23/06												
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 .			
					LAST UPDT: 4/24/12 APPROVED: 3/29/05								E E	585			
COMMENT:EMAIL PREQ CHG																	
M E	588	DYNMCS AND VIBR Dynamics and Vibrations	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.			.			
					LAST UPDT:10/23/06 APPROVED: 4/01/75												
COMMENT:WAS M E 568, CHG TITLES																	
M E	589	VIBRATIONS Vibrations	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.			.			
					LAST UPDT:10/23/06												
COMMENT:CHG TITLES, DESC																	
M E	590	VIBRATIONS VIBRATIONS	AUT/1975 - AUT/9999	3.0	.	.	.	.	.	.	.			.			
					LAST UPDT:10/23/06												
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 .			
					LAST UPDT: 5/16/13 APPROVED:10/27/93								CHEM E	591			
COMMENT:CHG TITLES, 5/13 RETRO MAX															E E	591	
M E	593	FEEDFORWARD CONTROL Feedforward Control	SPR/2006 - AUT/9999	3.0	.	.	.	.	.	.	.	M E	593 A A	593 .			
					LAST UPDT: 4/27/05 APPROVED: 4/25/05								E E	593			
COMMENT:CHG PREQ																	
M E	594	ROBUST CONTROL Robust Control	WIN/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	A A	594 E E	594 .			
					LAST UPDT: 3/21/16 APPROVED: 3/29/05								A A	594			

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M E	597	NETWORKED DYN SYS Networked Dynamics Systems	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	A A	597 E E	597 .			
					LAST UPDT: 3/21/16 APPROVED: 2/19/08								A A	597			
M E	598	TOPICS IN RESEARCH Topics in Research	SPR/1977 - AUT/9999	1.0	Y	CR/NC	.	.	.	.	.			.			
					LAST UPDT:10/23/06 APPROVED: 4/27/72												
					COMMENT:CHG GRADING												
M E	599	SPECIAL PROJECTS Special Projects	SUM/1976 - AUT/9999	1.0-05.0	9.0	Y	.	.	.	Y	.			.			
					LAST UPDT: 8/14/12												
					FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081												
M E	600	INDEPN DNT STDY/RSCH Independent Study or Research	SUM/1971 - AUT/9999	0.0	999.0	.	.	11	.	.	.			.			
					LAST UPDT: 4/19/10												
M E	700	MASTERS THESIS Master's Thesis	WIN/1970 - AUT/9999	0.0	999.0	.	.	11	.	.	.			.			
					LAST UPDT: 4/19/10 APPROVED: 1/01/70												
M 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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CURRIC	TITLE		CREDITS	-ALL		U	GRD											U
			MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	

MEIE	516	ADV ENGR STAT ADVANCED TOPICS IN ENGINEERING STATISTICS	SPR/1980 - AUT/9999	3.0	.	.		.
						LAST UPDT:10/18/06	APPROVED:11/18/79	
		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	.		.
						LAST UPDT: 6/11/97	APPROVED: 6/28/93	
		COMMENT:RETURN FROM IND E 599						

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MSE 170	FUNDMNT MATERLS SCI Fundamentals of Materials Science	AUT/2009 - AUT/9999	4.0		.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 6/24/09 APPROVED: 6/15/99									
COMMENT:CHG PREQ														
MSE 273	INTR MOLC ENG MATS Introduction to Molecular Engineering of Interfaces and Surfaces	WIN/2012 - AUT/9999	2.0		.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:11/18/11 APPROVED:10/18/11									
MSE 298	INTRO MODERN MTLS Introduction to Modern Materials	SPR/2005 - AUT/9999	1.0		.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/02/05 APPROVED: 1/31/05									
MSE 310	INTRO MSE Introduction to Materials Science and Engineering	AUT/2002 - AUT/9999	3.0		.	.	.	Y	.	.	.	.	.	.
COMMENT:WAS MSE 300;CHG CRDS,HRS,DESCR					FEE TYPE:1 \$25.00 BUDGET:069332 REV OBJ CD:943081									
MSE 311	INTEGRAT JR LAB I Integrated Junior Laboratory I	AUT/2013 - AUT/9999	3.0		.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG CREDITS, PREQ					FEE TYPE:1 \$45.00 BUDGET:069332 REV OBJ CD:943081									
MSE 312	INTEGRAT JR LAB II Integrated Junior Laboratory II	WIN/2014 - AUT/9999	3.0		.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG CREDITS, PREQ					FEE TYPE:1 \$45.00 BUDGET:069332 REV OBJ CD:943081									
MSE 313	INTEGRAT JR LAB III Integrated Junior Laboratory III	SPR/2014 - AUT/9999	3.0		.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG DESC, CREDITS					FEE TYPE:1 \$45.00 BUDGET:069332 REV OBJ CD:943081									
MSE 321	THERM & PHAS EQUIL Thermodynamics and Phase Equilibrium	AUT/2014 - AUT/9999	4.0		.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/12/14									
MSE 322	KINETIC MICRO EVOL Kinetics and Microstructural Evolution	WIN/2003 - AUT/9999	4.0		.	.	.	.	.	.	.	.	.	.
COMMENT:WAS MSE315;CHG TITLE,DESC.PRER					LAST UPDT:10/25/06 APPROVED: 6/24/02									

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MSE 331	CRYSTALLOG & STRUCT Crystallography and Structure	AUT/2002 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS MSE 314; CHG TTLS,CRDS,CD					LAST UPDT: 8/14/08 APPROVED: 2/22/93									
MSE 333	MTLS CHARACTERIZ Materials Characterization	SPR/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG PREQ					LAST UPDT: 6/18/12 APPROVED: 6/24/02									
MSE 342	MATERIALS PROCESS I Materials Processing I	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/12/14 APPROVED: 6/24/02									
MSE 351	ELEC PROP MATERIALS Electronic Properties of Materials	WIN/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES					LAST UPDT:12/15/09									
MSE 352	PROP OF MATERIALS Functional Properties of Materials I	SPR/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/25/02 APPROVED: 6/24/02									
MSE 362	MECH BEHAV MTLS I Mechanical Behavior of Materials I	SPR/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS MSE316;CHG TITLE,CR,DES,PR					LAST UPDT: 8/14/08 APPROVED:11/17/83									
MSE 399	UG RES SEMINAR Undergraduate Research Seminar	WIN/2014 -	AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/05/13 APPROVED: 6/04/13									
MSE 421	STUDIES IN THERMO Case Studies in Thermodynamics	WIN/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES,DESCRIPT,PREREQ.					LAST UPDT:10/25/06 APPROVED:11/17/83									
MSE 431	FAILURE ANALYSIS Failure Analysis and Durability of Materials	AUT/2007 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, PREQ					LAST UPDT: 8/14/08 APPROVED: 4/19/75									

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MSE 442	MTLS PROCESSING II Materials Processing II	AUT/2002 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 8/06/08		APPROVED: 3/18/71							
COMMENT:WAS CER E 421;CHG CRDS,TTLS,CD														
MSE 443	PROCESS PRINCIPLES Process Principles in Ferrous and Non-Ferrous Materials Production	AUT/2009 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/18/09		APPROVED: 9/22/83							
COMMENT:CHG TITLES, DESC														
MSE 450	MAGNETIC MATERIALS Magnetism, Magnetic Materials, and Related Technologies	SPR/2013 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 5/16/12		APPROVED: 5/15/12							
MSE 452	PROPERTIES MTLS II Functional Properties of Materials II	WIN/2003 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 8/06/08		APPROVED: 9/20/79							
COMMENT:WAS CER E414;CHG TITLE,CR,DES,														
MSE 462	MECH BEHAV MTLS II Mechanical Behavior of Materials II	SPR/2009 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT:10/22/08		APPROVED: 4/01/75							
COMMENT:CHG PREQ														
MSE 463	CORROSN & WEAR MTLS Corrosion and Wear of Materials	SPR/2003 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 8/14/08		APPROVED: 7/10/69							
COMMENT:WAS METE432;CHG TITLES,CR,DESC														
MSE 471	POLYMER SCI & ENGR Introduction to Polymer Science and Engineering	AUT/2002 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 8/14/08		APPROVED:12/21/88							
COMMENT:WAS MSE 433; CHG TTLS,DESCR,HR														
MSE 473	NONCRYSTALLINE STATE Noncrystalline State	SPR/2003 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 8/06/08									
COMMENT:WAS CERE 411;CHG TITLE,DES,PRE														
MSE 475	COMPOSITE MATERIALS Introduction to Composite Materials	AUT/2003 - AUT/9999	4.0		.	.	.	.	.	.	.			.
					LAST UPDT: 8/14/08									
COMMENT:WAS MSE423;CHG TITLE,DESC,PRER														

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CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	MAX P	SYS	D HYPH	M R E	P & N	C M S	N	I
				CREDITS					A S W	T P R	G	T
MSE	477	HI-TEMP MATERIALS	SPR/2003 - AUT/9999	4.0	.		.	.	.	.	.	.
		High Temperature Materials										
		COMMENT:WAS CERE470;CHG TITLE,DESC,PRE										
MSE	481	NANOSTRUCTURES	WIN/2005 - AUT/9999	3.0	.		.	.	.	.	.	.
		Science and Technology of Nanostructures										
MSE	482	BIOMATS, TISSUE ENG	WIN/2013 - AUT/9999	3.0	.		.	.	.	.	.	.
		Biomaterials/Nanomaterials in Tissue Engineering										
MSE	483	NANOMEDICINE	SPR/2013 - AUT/9999	3.0	.		.	.	.	.	.	.
		Nanomedicine										
MSE	484	ELECT &OPTO POLYMERS	AUT/2015 - AUT/9999	3.0	.		.	.	.	Y	.	.
		Electronic and Optoelectronic Polymers										
MSE	485	ELECTRNC PACKAGING	WIN/1997 - AUT/9999	3.0	.		.	.	Y	.	.	.
		Introduction to Electronic Packaging and Materials										
MSE	486	IC TECHNOLOGY	SPR/2016 - AUT/9999	3.0	.		.	.	.	.	.	.
		Fundamentals of Integrated Circuit Technology										
MSE	487	ELECT PKG LAB	WIN/2000 - AUT/9999	1.0	.		.	.	Y	.	.	.
		Laboratory in Electronic Packaging and Materials										
MSE	491	DESIGN MTLS ENGRG I	SPR/2007 - AUT/9999	2.0	.		.	.	.	.	.	.
		Design in Materials Engineering I										
		COMMENT:CHG TITLES, CREDITS, PREQ										
MSE	492	DESIGN MTLS ENGRG II	SPR/2007 - AUT/9999	2.0	.		.	.	.	.	.	.
		Design in Materials Engineering II										
		COMMENT:CHG CREDITS, DESC										

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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							
					COMMENT:CHG MAX CREDITS		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				E E		502	
					COMMENT:CHANGE JOINT STATUS									
MSE 510	BONDING & STRUCTURE Bonding, Crystallography, and Symmetry-Related Properties of Materials	AUT/2004 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/01/03		APPROVED:10/01/89							
					COMMENT:CHANGE DESC, TITLES									
MSE 512	TRANSM ELC MICRSCP Experimental Transmission Electron Microscopy	WIN/1990 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/30/06		APPROVED: 6/27/85							
					COMMENT:CHG DESC									
MSE 513	TEM LAB Transmission Electron Microscopy Laboratory	WIN/1990 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/30/06		APPROVED: 6/27/85							
					COMMENT:CHG TITLES, DESC									

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