

DATE: 07-05-2011
TIME: 20:10:12

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 I
PAGE: 927

COLLEGE : J - Engineering
DEPARTMENT: ELECTRICAL ENGR

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	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 S N G	RESPONS COURSE	JOINT COURSES	O M I T
E E 135	DIGITAL MULTIMEDIA THE DIGITAL WORLD OF MULTIMEDIA	WIN/2009 -	AUT/9999	4.0										
					LAST UPDT:11/19/08		APPROVED:11/18/08		Y					
E E 205	INTRO SIGNAL COND INTRODUCTION TO SIGNAL CONDITIONING	SPR/2010 -	AUT/9999	4.0										
					LAST UPDT:11/18/09		APPROVED:11/17/09		 Y .					
E E 215	INTRO TO E E FUNDAMENTALS OF ELECTRICAL ENGINEERING COMMENT:EMAIL PREQ CHG	SUM/2008 -	AUT/9999	4.0										
					LAST UPDT: 6/09/08		APPROVED: 3/15/99		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					
E E 233	CIRCUIT THEORY CIRCUIT THEORY	AUT/1992 -	AUT/9999	5.0										
					LAST UPDT:10/16/06		APPROVED: 2/03/92		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					
E E 235	CT LINEAR SYSTEMS CONTINUOUS TIME LINEAR SYSTEMS COMMENT:CHG CREDITS	WIN/2008 -	AUT/9999	5.0										
					LAST UPDT: 6/21/07		APPROVED: 3/31/92		. . . Y					
					FEE TYPE:1 \$35.00		BUDGET:069330		REV OBJ CD:943081					
E E 271	DIGITAL CIR & SYSTE DIGITAL CIRCUITS AND SYSTEMS COMMENT:WAS E E 371; CHG DESCRIP,PRERE	WIN/2003 -	AUT/9999	5.0										
					LAST UPDT: 8/14/08		APPROVED:12/06/91		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					
E E 299	SPEC TPCS ELEC ENGR SPECIAL TOPICS IN ELECTRICAL ENGINEERING	AUT/1968 -	AUT/9999	1.0-05.0	5.0									
					LAST UPDT: 9/08/00				. . . Y					
E E 331	DEVICES/CIRCUITS I DEVICES AND CIRCUITS I COMMENT:CHANGE DESCRIPTION	AUT/1996 -	AUT/9999	5.0										
					LAST UPDT: 7/23/04		APPROVED:12/06/91		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					
E E 332	DEVICES/CIRCUITS II DEVICES AND CIRCUITS II COMMENT:CHANGE DESCRIPTION	AUT/1995 -	AUT/9999	5.0										
					LAST UPDT: 7/23/04		APPROVED:12/06/91		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					
E E 341	DT LINEAR SYSTEMS DISCRETE TIME LINEAR SYSTEMS COMMENT:CHG CONTACT HOURS	WIN/1999 -	AUT/9999	5.0										
					LAST UPDT:10/16/06		APPROVED:12/06/91		. . . Y					
					FEE TYPE:1 \$35.00		BUDGET:069330		REV OBJ CD:943081					
E E 351	ENERGY SYSTEMS ENERGY SYSTEMS COMMENT:CHG DESCRIPTION	WIN/2005 -	AUT/9999	5.0										
					LAST UPDT: 8/23/04		APPROVED:12/06/91		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					
E E 361	APPL EM APPLIED ELECTROMAGNETICS COMMENT:CHG PREREQ, DESC	AUT/2006 -	AUT/9999	5.0										
					LAST UPDT: 3/21/06		APPROVED:12/06/91		. . . Y					
					FEE TYPE:1 \$50.00		BUDGET:069330		REV OBJ CD:943081					

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E E	398	PROFESSIONAL ISSUES	SPR/2008 - AUT/9999	1.0										
		INTRODUCTION TO PROFESSIONAL ISSUES												
					LAST UPDT: 3/19/08			APPROVED: 3/18/08						
E E	399	SPEC TPCS ELEC ENGR	AUT/1968 - AUT/9999	1.0-05.0	5.0									
		SPECIAL TOPICS IN ELECTRICAL ENGINEERING			LAST UPDT: 0/00/00									
E E	400	ADV TOPICS E E	AUT/2001 - AUT/9999	1.0-05.0	10.0	Y								
		ADVANCED TOPICS IN ELECTRICAL ENGINEERING			LAST UPDT:10/16/06			APPROVED: 1/29/87						
		COMMENT:CHANGE CREDITS			FEE TYPE:1	\$50.00	BUDGET:061030	REV OBJ CD:943081						
E E	401	ENGR DSGN LRG TEAMS	AUT/2004 - AUT/9999	4.0										
		ENGINEERING DESIGN IN LARGE TEAMS			LAST UPDT: 3/30/04			APPROVED: 3/29/04						
		COMMENT:CONV OF TEMP COURSE												
E E	402	ENGR DSGN: ROBOT II	WIN/2005 - AUT/9999	5.0										
		ENGINEERING DESIGN IN LARGE TEAMS: ROBOTICS II			LAST UPDT:10/16/06			APPROVED: 6/23/04						
		COMMENT:CONV OF TEMP COURSE												
E E	406	ENGR DES FOR K-12	AUT/2006 - AUT/9999	3.0										
		ENGINEERING DESIGN FOR K-12 OUTREACH			LAST UPDT: 5/01/06			APPROVED: 4/28/06						
E E	415	COMP AID SYS DESIGN	WIN/1988 - AUT/9999	3.0										
		COMPUTER-AIDED SYSTEM ANALYSIS AND DESIGN			LAST UPDT:10/16/06			APPROVED: 2/20/69						
		COMMENT:CHG TITLES												
E E	416	RANDOM SIGNALS	AUT/2006 - AUT/9999	4.0										
		RANDOM SIGNALS FOR COMMUNICATION AND SIGNAL PROCES			LAST UPDT: 3/21/06			APPROVED:10/23/97						
		COMMENT:CHG TITLES												
E E	417	MOD WIRELESS COMMS	WIN/2007 - AUT/9999	4.0										
		MODERN WIRELESS COMMUNICATIONS			LAST UPDT:10/16/06			APPROVED: 6/03/71						
		COMMENT:CHG PREREQ, TITLES, DESC												
E E	418	NETWK SECR & CRYPTO	AUT/2004 - AUT/9999	3.0										
		NETWORK SECURITY AND CRYPTOGRAPHY			LAST UPDT:10/16/06			APPROVED: 6/03/71						
		COMMENT: CHANGE PREREQ												
E E	420	DESIGN IN COMM	WIN/1998 - AUT/9999	4.0										
		DESIGN IN COMMUNICATIONS			LAST UPDT:11/02/97			APPROVED:10/23/97						
E E	423	INTRO SYNTH BIO	AUT/2009 - SUM/2011	3.0										
		INTRODUCTION TO SYNTHETIC BIOLOGY			LAST UPDT: 3/09/11			APPROVED:11/17/09				E E	423 BIOEN 423	
												CSE	486	

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E E 423	INTRO SYNTH BIO INTRODUCTION TO SYNTHETIC BIOLOGY COMMENT:EMAIL PREQ CHG	AUT/2011 - AUT/9999	3.0		LAST UPDT: 3/09/11			APPROVED:11/17/09				E E 423	BIOEN 423 CSE 486	.
E E 424	ADV SYNTHETIC BIO ADVANCED SYSTEMS AND SYNTHETIC BIOLOGY	AUT/2009 - SUM/2011	3.0		LAST UPDT: 4/15/11			APPROVED:11/17/09				BIOEN 424	BIOEN 424 CSE 487	.
E E 424	ADV SYNTHETIC BIO ADVANCED SYSTEMS AND SYNTHETIC BIOLOGY COMMENT:EMAIL PREQ CHG	AUT/2011 - AUT/9999	3.0		LAST UPDT: 4/15/11			APPROVED:11/17/09				BIOEN 424	BIOEN 424 CSE 487	.
E E 425	LAB SYNTH BIO LABORATORY METHODS IN SYNTHETIC BIOLOGY	AUT/2009 - AUT/9999	4.0		LAST UPDT: 1/27/10			APPROVED:11/17/09				E E 425	BIOEN 425 CSE 488	.
E E 433	ANALOG CKT DESIGN ANALOG CIRCUIT DESIGN COMMENT:CHG TITLES, CRS, DESC	AUT/1992 - AUT/9999	5.0		LAST UPDT:10/16/06			. . Y						.
E E 436	MEDICAL INSTRUMENTN MEDICAL INSTRUMENTATION COMMENT:DROP JOINT STATUS	SUM/2008 - AUT/9999	4.0		LAST UPDT: 2/24/10			APPROVED: 9/26/74						.
E E 440	INTRO DGTL IMAG SYST INTRODUCTION TO DIGITAL IMAGING SYSTEMS	AUT/1998 - AUT/9999	4.0	4.0	LAST UPDT: 7/23/04			APPROVED: 6/23/98						.
E E 442	DIG SIG & FILTERING DIGITAL SIGNALS AND FILTERING COMMENT:CHG TITLES, DESC	WIN/1977 - AUT/9999	3.0		LAST UPDT:10/16/06			APPROVED: 3/02/72						.
E E 443	DES APPL DIG SIG PR DESIGN AND APPLICATION OF DIGITAL SIGNAL PROCESS..	AUT/1996 - AUT/9999	5.0		LAST UPDT: 4/23/97			APPROVED: 2/01/88						.
E E 447	CONTROL SYS ANLYS I CONTROL SYSTEM ANALYSIS I COMMENT:CHG PREQ	SPR/2007 - AUT/9999	4.0		LAST UPDT: 1/24/07			APPROVED: 3/01/72						.
E E 448	CTRL SYS SEN & ACT CONTROL SYSTEMS SENSORS AND ACTUATORS COMMENT: PREREQ CHANGE	AUT/2005 - AUT/9999	3.0		LAST UPDT: 3/29/05			APPROVED:12/06/93				E E 448	A A 448	.

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E E	449	DESIGN CONTR SYSTEM DESIGN OF AUTOMATIC CONTROL SYSTEMS COMMENT: PREREQ CHANGE	AUT/2005 - AUT/9999	4.0	LAST UPDT:11/01/07	APPROVED: 2/28/92		Y				E E	449 A A	449	.
					FEE TYPE:1	\$45.00	BUDGET:069330	REV OBJ CD:943081							
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 COMMENT:EMAIL PREQ CHANGE	AUT/2007 - AUT/9999	5.0	LAST UPDT: 2/20/07	APPROVED: 4/25/85		Y							.
					FEE TYPE:1	\$50.00	BUDGET:069330	REV OBJ CD:943081							
E E	453	ELECTRIC DRIVES ELECTRIC DRIVES	AUT/1983 - AUT/9999	5.0	LAST UPDT:10/16/06	APPROVED:11/22/82		Y							.
					FEE TYPE:1	\$50.00	BUDGET:069330	REV OBJ CD:943081							
E E	454	POWER SYS ANALYS POWER SYS ANALYSIS COMMENT:CHG TITLES	AUT/2002 - AUT/9999	4.0	LAST UPDT:10/16/06	APPROVED: 6/03/71									.
E E	455	POWER SYS DYN & PROT POWER SYSTEMS DYNAMICS AND PROTECTION COMMENT:CHG TITLES	WIN/2003 - AUT/9999	4.0	LAST UPDT:10/16/06	APPROVED:11/17/77									.
E E	456	CAD IN POWER SYST COMPUTER-AIDED DESIGN IN POWER SYSTEMS COMMENT:CHG TITLES	SPR/1990 - AUT/9999	4.0	LAST UPDT:10/16/06	APPROVED: 2/24/77									.
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									.
E E	461	INTRO COMP NETWORKS INTRODUCTION TO COMPUTER-COMMUNICATION NETWORKS COMMENT:CHG DSCRPT, JT STATUS, DESCRIPT	AUT/2008 - AUT/9999	4.0	LAST UPDT: 3/18/08	APPROVED: 3/28/91									.
E E	465	FIBER OPT DEV & APP FIBER OPTICS, DEVICES, AND APPLICATIONS	SPR/1989 - AUT/9999	4.0	LAST UPDT:10/16/06	APPROVED: 4/05/88									.
E E	467	ANTENNAS ANTENNAS: ANALYSIS AND DESIGN COMMENT:EMAIL PREREQUISITE	SPR/2005 - AUT/9999	4.0	LAST UPDT:10/16/06	APPROVED: 1/29/70									.
E E	471	COMPUTER DESIGN ORG COMPUTER DESIGN AND ORGANIZATION COMMENT:CHG PREQ	WIN/2008 - AUT/9999	5.0	LAST UPDT: 6/21/07	APPROVED: 6/23/83		Y							.
					FEE TYPE:1	\$50.00	BUDGET:069330	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 T P R G	W R Q T S N	RESPONS COURSE	JOINT COURSES	O M I T
E E	472	MICROCOMPUTER SYST MICROCOMPUTER SYSTEMS COMMENT:CHG PREQ	WIN/2008 - AUT/9999	5.0										
					LAST UPDT: 6/21/07			APPROVED: 2/28/94						
					FEE TYPE:1	\$50.00	BUDGET:069330	REV OBJ CD:943081						
E E	473	LINEAR IC DESIGN LINEAR INTEGRATED CIRCUITS COMMENT:CHG CREDITS	AUT/2007 - AUT/9999	5.0										
					LAST UPDT: 5/15/07			APPROVED: 5/30/22						
					FEE TYPE:1	\$35.00	BUDGET:069330	REV OBJ CD:943081						
E E	476	DIG INT CIRCUIT DES DIGITAL INTEGRATED CIRCUIT DESIGN COMMENT:CHG PREQ	WIN/2008 - AUT/9999	5.0										
					LAST UPDT: 6/21/07									
					FEE TYPE:1	\$50.00	BUDGET:069330	REV OBJ CD:943081						
E E	477	VLSI II VLSI II COMMENT:CHANGE TITLE, CREDITS, DESCRIP	WIN/2001 - AUT/9999	5.0										
					LAST UPDT: 7/23/04			APPROVED: 2/23/96						
					FEE TYPE:1	\$50.00	BUDGET:069330	REV OBJ CD:943081						
E E	478	DSN COMP SUBSYSTEMS DESIGN OF COMPUTER SUBSYSTEMS COMMENT:CHANGE PREREQ, DESCRIPTION	AUT/1994 - AUT/9999	5.0										
					LAST UPDT:10/17/06			APPROVED: 6/01/84						
					FEE TYPE:1	\$50.00	BUDGET:069330	REV OBJ CD:943081						
E E	480	MICROWAVE I MICROWAVE ENGINEERING I COMMENT:WAS E E 469	AUT/1993 - AUT/9999	4.0										
					LAST UPDT:10/17/06			APPROVED: 1/20/93						
E E	481	MICROWAVE ELEC DESN MICROWAVE ELECTRONIC DESIGN COMMENT:CHG TITLES, DESC, PREQ	WIN/1989 - AUT/9999	4.0										
					LAST UPDT:10/17/06									
E E	482	SEMICONDUCTR DEVICES SEMICONDUCTOR DEVICES COMMENT:EMAIL PREREQUISITE CHG	WIN/2003 - AUT/9999	4.0										
					LAST UPDT:10/14/02			APPROVED: 5/24/93						
E E	484	SENSRS/SENSR SYSTMS SENSORS AND SENSOR SYSTEMS COMMENT:CONVERSION TO PERMANENT COURSE	SPR/2000 - AUT/9999	4.0										
					LAST UPDT: 2/29/00			APPROVED: 2/25/00						
E E	485	INTRO TO PHOTONICS INTRODUCTION TO PHOTONICS COMMENT:CHG PREREQ, DESC	WIN/2007 - AUT/9999	4.0										
					LAST UPDT:10/17/06			APPROVED: 3/31/98						
E E	486	IC TECHNOLOGY FUNDAMENTALS OF INTEGRATED CIRCUIT TECHNOLOGY COMMENT:CHANGE JOINT STATUS	WIN/2001 - AUT/9999	3.0								MSE	486 MSE	486
					LAST UPDT:10/17/06			APPROVED: 6/25/81						

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COURSE		TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D	D	S H F	V	E E	W	RESPONS	JOINT	O
CURRIC	NUM					-ALL U	GRD E	UNE	L I	L E C	Q T			
						MAX P	SYS D	HYPH M R E	P & N C M S N	A S W T P R G		COURSE	COURSES	I T
E E	490	READINGS & RESEARCH READINGS AND RESEARCH	SUM/2008 -	AUT/9999	1.0-05.0	25.0 .	CR/NC .							.
						LAST UPDT: 2/05/09		APPROVED: 6/17/08						
E E	491	UNDERGRAD SEMINAR UNDERGRADUATE SEMINAR	WIN/2009 -	AUT/9999	1.0	2.0 .	CR/NC .							.
						LAST UPDT:11/19/08		APPROVED:11/18/08						
E E	499	UG RSCH-SP PROJECT UNGRADUATE RESEARCH AND SPECIAL PROJECT COMMENT:CHG TITLES, DESC	SPR/2007 -	AUT/9999	2.0-05.0	10.0 Y	.							.
						LAST UPDT:11/14/06								
E E	500	GRADUATE SEMINAR GRADUATE SEMINAR COMMENT:CHG MAX CREDITS	AUT/2008 -	AUT/9999	1.0	9.0 Y	CR/NC .							.
						LAST UPDT: 4/16/08		APPROVED: 1/29/87						
E E	501	RADAR REMOTE SENS RADAR REMOTE SENSING	WIN/1997 -	AUT/9999	3.0									.
						LAST UPDT: 4/26/95		APPROVED: 4/17/95						
E E	502	INTRO TO MEMS INTRODUCTION TO MICROELECTRIC MECHANICAL SYSTEMS COMMENT:CHANGE JOINT STATUS	AUT/2001 -	AUT/9999	4.0							E E	502 M E MSE	504 504
						LAST UPDT: 5/22/01		APPROVED: 9/20/99						.
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 COMMENT:CHANGE TITLE & PREREQS	SUM/1999 -	AUT/9999	4.0									.
						LAST UPDT:10/17/06		APPROVED: 9/25/75						
E E	506	FUND OF WIRE COMM FUNDAMENTALS OF WIRELESS COMMUNICATIONS COMMENT:CHG TITLES, CREDITS, DESC	SPR/2009 -	AUT/9999	4.0									.
						LAST UPDT:12/17/08								
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 COMMENT:CHG TTL,DSC,PREQ, ADD JT STAT	WIN/2009 -	AUT/9999	3.0							E E	508 IND E	508
						LAST UPDT: 6/16/08		APPROVED: 7/16/70						.
E E	510	MATH FOUND SYST THR MATHEMATICAL FOUNDATIONS OF SYSTEM THEORY COMMENT:CHG JOINT AA NUMBER	AUT/2005 -	AUT/9999	4.0							E E	510 A A CHEM E M E	510 510 510
						LAST UPDT:11/22/05		APPROVED:10/24/91						.

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				OVER D -ALL U	GRD SYS	D E	S H F U N E	V L I	E E P & N	W C M	S S N	T P R	G			
E E	511	STAT LEARNING INTRODUCTION TO STATISTICAL LEARNING	WIN/2005 - AUT/9999 4.0	LAST	UPDT:	9/28/04	APPROVED:	8/20/04	.	.	.	.	.			.
E E	512	GRAPHICAL MODELS GRAPHICAL MODELS IN PATTERN RECOGNITION	SPR/2006 - AUT/9999 4.0	LAST	UPDT:	9/28/04	APPROVED:	8/20/04	.	.	.	.	.			.
E E	514	INFO THEORY I INFORMATION THEORY I	WIN/2005 - AUT/9999 4.0	LAST	UPDT:	8/24/04	APPROVED:	8/20/04	.	.	.	.	.			.
E E	515	INFO THEORY II INFORMATION THEORY II	SPR/2005 - AUT/9999 4.0	LAST	UPDT:	8/24/04	APPROVED:	8/20/04	.	.	.	.	.			.
E E	516	COMP SPEECH PROC COMPUTER SPEECH PROCESSING	WIN/2001 - AUT/9999 4.0	LAST	UPDT:	6/29/00	APPROVED:	6/28/00	.	.	.	.	.			.
E E	517	STAT LANGUAGE PROC STATISTICAL LANGUAGE PROCESSING	SPR/2001 - AUT/9999 4.0	LAST	UPDT:	6/29/00	APPROVED:	6/28/00	.	.	.	.	.			.
E E	518	DGTL SIGNAL PROCESS DIGITAL SIGNAL PROCESSING COMMENT:CHG JT LISTING	SPR/1987 - AUT/9999 4.0	LAST	UPDT:	10/17/06	APPROVED:	3/18/71	.	.	.	.	.			.
E E	519	STOCHASTIC ANALYSIS STOCHASTIC ANALYSIS OF DATA FROM PHYSICAL SYSTEMS COMMENT:CHG TITLES, CRDT, DESC	SPR/1982 - AUT/9999 4.0	LAST	UPDT:	10/17/06	APPROVED:	6/03/71	.	.	.	.	.			.
E E	520	SPCTR ANLYS TME SER SPECTRAL ANALYSIS OF TIME SERIES COMMENT:CHG PREREQUISITE	WIN/2003 - AUT/9999 4.0	LAST	UPDT:	10/17/06	APPROVED:	3/01/74	.	.	.	.	.	STAT	520 STAT	520 .
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/2009 - SUM/2011 3.0	LAST	UPDT:	3/09/11	APPROVED:	11/17/09	.	.	.	.	.	E E	523 BIOEN CSE	523 586 .
E E	523	INTRO SYNTH BIO INTRODUCTION TO SYNTHETIC BIOLOGY COMMENT:EMAIL PREQ CHG	AUT/2011 - AUT/9999 3.0	LAST	UPDT:	3/09/11	APPROVED:	11/17/09	.	.	.	.	.	E E	523 BIOEN CSE	523 586 .
E E	524	ADV SYNTHETIC BIO ADVANCED SYSTEMS AND SYNTHETIC BIOLOGY	AUT/2009 - AUT/9999 3.0	LAST	UPDT:	11/18/09	APPROVED:	11/17/09	.	.	.	.	.	BIOEN	524 BIOEN CSE	524 587 .

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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 E C M S T P R G	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
E E	525 VLSI II VLSI II	WIN/2001 -	AUT/9999	5.0										
					LAST UPDT: 7/23/04 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										
					LAST UPDT: 8/14/08									
					FEE TYPE:1 \$50.00 BUDGET:069330 REV OBJ CD:943081									
E E	527 SOLID-STATE LAB TEC SOLID-STATE LABORATORY TECHNIQUES	SPR/1992 -	AUT/9999	4.0										
					LAST UPDT:12/30/92 APPROVED: 1/31/91									
E E	528 PHYSICS VLSI FAB PHYSICS AND MODELING OF 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 OPTICS SEMICONDUCTOR OPTICS AND OPTICAL DEVICES COMMENT:CHG CRDT, DESC, PREQ	SPR/1992 -	AUT/9999	4.0										
					LAST UPDT:10/17/06									
E E	530 WAVELETS WAVELETS: DATA ANALYSIS, ALGORITHMS, AND THEORY COMMENT:WAS E E 524	WIN/2010 -	AUT/9999	3.0								STAT	530 STAT	530
					LAST UPDT: 9/14/09 APPROVED: 9/21/04									
E E	531 SEMI DEV&DEV SIMUL SEMICONDUCTOR DEVICES AND DEVICE SIMULATION COMMENT:CHANGE DESCRIPTION	SPR/1997 -	AUT/9999	4.0										
					LAST UPDT:10/17/06 APPROVED: 6/09/88									
E E	533 PHOTODETECTION PHOTODETECTORS AND PHOTODETECTION COMMENT:CHANGE DESCRIPTION, PREREQ	AUT/1995 -	AUT/9999	4.0										
					LAST UPDT:10/17/06 APPROVED: 5/14/70									
E E	534 POWER ELECTRONICS POWER ELECTRONICS COMMENT:CHG DESC	SPR/1988 -	AUT/9999	4.0										
					LAST UPDT:10/17/06 APPROVED: 6/01/78									
E E	536 ANALOG IC SYSTEMS DESIGNOF ANALOG INTEGRATED CIRCUITS AND SYSTEMS COMMENT:CHG TITLES, CREDITS	AUT/1992 -	AUT/9999	4.0										
					LAST UPDT:10/17/06 APPROVED: 4/28/86									
E E	537 COMP METHOD SIMULAT COMPUTATION METHODS FOR CIRCUIT ANALYSIS AND SIMUL	WIN/1994 -	AUT/9999	3.0										
					LAST UPDT:10/27/93 APPROVED:10/27/93									
E E	538 TOP ELECT CIR DES TOPICS IN ELECTRONIC CIRCUIT DESIGN COMMENT:CHG MAX. CREDITS	SPR/2010 -	AUT/9999	1.0-05.0	16.0									
					LAST UPDT: 1/20/10 APPROVED: 3/02/72									

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D	D	S H F	V	L	E	W				
CURRIC	NUM				-ALL U	GRD	E	U N E	P & N	C M S N	Q T	R			
					MAX	P	SYS	D	HYPH	M	R	E	RESPONS	JOINT	O
													COURSE	COURSES	M
															I
															T
E E	539	TPCS IN SOLID STATE ADVANCED TOPICS IN SOLID STATE ELECTRONICS COMMENT:CHG MAX. CREDITS	SPR/2010 - AUT/9999	1.0-05.0	16.0	Y									.
					LAST UPDT:	1/20/10		APPROVED:	11/19/70						
E E	540	VLSI TESTING VLSI TESTING COMMENT:CHG CREDITS, PREREQ	WIN/2007 - AUT/9999	4.0											.
					LAST UPDT:	4/19/06		APPROVED:	4/01/86						
E E	541	AUTOMATIC LAYOUT AUTOMATIC LAYOUT OF INTEGRATED CIRCUITS COMMENT:CHG PREQ	WIN/2008 - AUT/9999	4.0											.
					LAST UPDT:	6/21/07		APPROVED:	2/23/96						
E E	542	ADV EMBD SYS DESIGN ADVANCED EMBEDDED SYSTEMS DESIGN	AUT/2006 - AUT/9999	5.0											.
					LAST UPDT:	5/17/06		APPROVED:	5/17/06						
E E	543	ROBOT MANIPULATION MODELS OF ROBOT MANIPULATION	WIN/1993 - AUT/9999	3.0											.
					LAST UPDT:	12/14/92		APPROVED:	5/29/92						
E E	544	ADV ROBOT MANIP ADVANCED ROBOT MANIPULATION	SPR/1993 - AUT/9999	4.0											.
					LAST UPDT:	12/14/92		APPROVED:	5/29/92						
E E	545	AUTONOMOUS ROBOTS AUTONOMOUS MULTI-ROBOT SYSTEMS COMMENT:CHG TITL, CR, DESCRIPTION	SUM/2003 - AUT/9999	4.0											.
					LAST UPDT:	3/18/04		APPROVED:	6/12/97						
E E	546	CONTROL SYS THEORY ADVANCED TOPICS IN CONTROL SYSTEM THEORY COMMENT:CHG MAX. CREDITS	SPR/2010 - AUT/9999	1.0-05.0	16.0	.									.
					LAST UPDT:	1/20/10									
E E	547	LINEAR SYSTEMS LINEAR SYSTEMS THEORY COMMENT:WAS EE548; CHG PREREQ, JOINT#	AUT/2005 - AUT/9999	4.0									E E	547 M E A A	547 .
					LAST UPDT:	9/28/09									
E E	548	LIN MULTVAR CONTROL LINEAR MULTIVARIABLE CONTROL COMMENT: CHG PREREQ	AUT/2005 - AUT/9999	3.0									E E	548 A A M E	548 .
					LAST UPDT:	10/17/06									
E E	549	ST EST & KALMAN FLTR STATE ESTIMATION AND KALMAN FILTERING COMMENT:CHG TITLES, DESCRIPTION	AUT/2005 - AUT/9999	3.0									E E	549 A A M E	549 .
					LAST UPDT:	10/17/06		APPROVED:	9/19/81						
E E	550	NONLIN OPT CONTROL NONLINEAR OPTIMAL CONTROL COMMENT:CHG JT STATUS	AUT/1996 - AUT/9999	3.0									E E	550 A A M E	550 .
					LAST UPDT:	10/17/06		APPROVED:	9/19/81						

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E E	551 WIND ENERGY WIND ENERGY	SPR/2011 -	AUT/9999	4.0										.
					LAST UPDT:	5/26/10		APPROVED:	5/18/10	.	.	.		.
E E	552 POWER SYS CONTROL POWER SYSTEMS DYNAMICS AND CONTROL	SPR/1985 -	AUT/9999	4.0										.
					LAST UPDT:	0/00/00		APPROVED:	5/01/83	.	.	.		.
E E	553 POWE SYS ECONOMICS POWER SYSTEM ECONOMICS	AUT/1995 -	AUT/9999	4.0										.
					LAST UPDT:	2/24/95		APPROVED:	2/21/95	.	.	.		.
E E	554 LARGE ELEC ENRG SYS LARGE ELECTRIC ENERGY SYSTEMS ANALYSIS	AUT/1985 -	AUT/9999	4.0										.
					LAST UPDT:	10/15/92		APPROVED:	6/01/85	.	.	.		.
E E	555 INTELLIGENT SYSTEMS FUNDAMENTALS OF INTELLIGENT SYSTEMS COMMENT:ARCHIVED	SPR/2002 -	AUT/9999	4.0										.
					LAST UPDT:	4/01/02		APPROVED:	3/25/02	.	.	.		.
E E	559 TOPICS ELEC ENERGY SPECIAL TOPICS IN ELECTRICAL ENERGY SYSTEMS COMMENT:CHG MAX. CREDITS	SPR/2010 -	AUT/9999	1.0-05.0	16.0	.								.
					LAST UPDT:	1/20/10		APPROVED:	9/18/80	.	.	.		.
E E	562 AI FOR ENGINEERS ARTIFICIAL INTELLIGENCE FOR ENGINEERS	WIN/1986 -	AUT/9999	3.0										.
					LAST UPDT:	0/00/00		APPROVED:	4/01/85	.	.	.		.
E E	565 COMPUT-COMM NETS I COMPUTER-COMMUNICATION NETWORKS I COMMENT:CHG CREDITS,DESCRIPTION	SPR/2004 -	AUT/9999	4.0										.
					LAST UPDT:	10/17/06		APPROVED:	6/12/86	.	.	.		.
E E	566 COMPUT-COMM NETS II COMPUTER-COMMUNICATION NETWORKS II	SPR/1987 -	AUT/9999	3.0										.
					LAST UPDT:	10/17/06		APPROVED:	6/12/86	.	.	.		.
E E	567 WIRELESS NETWORKS MOBILE RADIO NETWORKS COMMENT:CHG CREDITS, DESC	AUT/2009 -	AUT/9999	4.0										.
					LAST UPDT:	3/18/09		APPROVED:	8/20/04	.	.	.		.
E E	568 IMAGE PROC COMP SYS IMAGE PROCESSING COMPUTER SYSTEMS	SPR/1988 -	AUT/9999	4.0								E E	568 BIOEN 568	.
					LAST UPDT:	10/04/94		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 M E 570	.
					LAST UPDT:	4/05/07		APPROVED:	2/21/07	.	.	.		.
E E	571 HIGH FREQ CIRCUITS HIGH FREQUENCY CIRCUITS AND ANTENNAS: COMPUTATION COMMENT:CHANGE TITLE & PREREQS	SPR/1999 -	AUT/9999	4.0										.
					LAST UPDT:	1/04/99		APPROVED:	5/01/90	.	.	.		.

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E E	572	ELMAG THRY & APPL I ELECTROMAGNETIC THEORY AND APPLICATIONS I COMMENT:CHG DESC	AUT/1978 - AUT/9999 4.0	LAST UPDT:10/18/06	.	.	.	.	.	.	.	.	.	.	.	.
E E	573	ELMAG COMP & APPL I ELECTROMAGNETC COMPUTATIONS AND APPLICATIONS I COMMENT:CHANGE TITLE & DESCRIPTION	SPR/1999 - AUT/9999 4.0	LAST UPDT: 1/04/99	.	.	.	.	.	.	.	.	.	.	.	.
E E	574	ELMAG COMP& APPL II ELECTROMAGNETIC COMPUTATIONS AND APPLICATIONS II COMMENT:CHANGE TITLE & DESCRIPTION	SPR/1999 - AUT/9999 4.0	LAST UPDT: 1/04/99	.	.	.	.	.	.	.	.	.	.	.	.
E E	575	WAVES IN RANDM MEDA WAVES IN RANDOM MEDIA	WIN/1969 - AUT/9999 4.0	LAST UPDT: 0/00/00	.	.	.	.	.	.	.	.	.	.	.	.
E E	576	COMPUTER VISION COMPUTER VISION COMMENT:CHANGE DESCRIP, PREREQ	SPR/2005 - AUT/9999 3.0	LAST UPDT: 2/03/05	APPROVED: 4/30/87	.	.	.	.	.	.	.	.	CSE	576 CSE	576 .
E E	577	COMPUTER VISION SPECIAL TOPICS IN COMPUTER VISION	AUT/2003 - AUT/9999 3.0	LAST UPDT: 4/30/03	APPROVED: 4/28/03	.	.	.	.	.	.	.	.	CSE	577 CSE	577 .
E E	578	OPTIMIZATN SYST SCI OPTIMIZATION IN SYSTEMS SCIENCES	AUT/2005 - AUT/9999 3.0	LAST UPDT: 3/31/05	APPROVED: 3/29/05	.	.	.	.	.	.	.	.	A A	578 A A M E	578 . 578
E E	579	TOPICS/EM,OPT,ACOUS ADV TOPICS IN ELECTROMAGNETICS,OPTICS, & ACOUSTICS COMMENT:CHG MAX. CREDITS	SPR/2010 - AUT/9999 1.0-05.0	16.0 LAST UPDT: 1/20/10	APPROVED: 3/20/86	.	.	.	.	.	.	.	.	.	.	.
E E	580	GEOMETRIC METHODS GEOMETRIC METHODS FOR NON-LINEAR CONTROL SYSTEMS	SPR/2007 - AUT/9999 3.0	LAST UPDT: 2/21/07	APPROVED: 2/21/07	.	.	.	.	.	.	.	.	A A	580 A A M E	580 . 580
E E	581	DIGITAL CONTROL DIGITAL CONTROL COMMENT:CHG TITLES, DESCRIP, PREREQ	AUT/2005 - AUT/9999 3.0	LAST UPDT: 3/31/05	APPROVED: 2/28/92	.	.	.	.	.	.	.	.	M E	581 A A M E	581 . 581
E E	582	DISCRETE EVENT SYS INTRODUCTION TO DISCRETE EVENT SYSTEMS COMMENT:CHG TITLES, DESCRIP, PREREQ	AUT/2005 - AUT/9999 3.0	LAST UPDT: 3/03/06	APPROVED: 2/28/92	.	.	.	.	.	.	.	.	M E	582 A A M E	582 . 582
E E	583	NONLINEAR CONTR SYS NONLINEAR CONTROL SYSTEMS COMMENT:CHANGED JOINT STATUS,DESCR,PRE	AUT/2005 - AUT/9999 3.0	LAST UPDT:10/18/06	.	.	.	.	.	.	.	.	.	E E	583 M E A A	583 . 583

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CURRIC	NUM				TITLE	-ALL U	GRD E	U N E	L I	L E C Q T			
					MAX P	SYS D	HYPH M R E	P & N C M S N	A S W T P R G		COURSE	COURSES	I
E E	585	SYS ID & ADAPT CTRL	AUT/2005 - AUT/9999	3.0							E E	585 A A	585
		SYSTEM IDENTIFICATION AND ADAPTIVE CONTROL									M E	585	
					LAST UPDT: 3/31/05		APPROVED: 3/29/05						
E E	586	DIG VID COD SYS	WIN/2005 - AUT/9999	4.0									
		DIGITAL VIDEO CODING SYSTEMS											
		COMMENT:CHG CREDITS			LAST UPDT: 5/27/04		APPROVED: 9/28/98						
E E	587	MULTIMEDIA COMP	AUT/2004 - AUT/9999	4.0									
		MULTIMEDIA COMPRESSION AND NETWORKING			LAST UPDT: 1/24/06		APPROVED: 8/20/04						
E E	589	ADV TOPIC SENSORS	SPR/1997 - AUT/9999	3.0									
		ADVANCED TOPICS IN SENSORS AND SENSOR SYSTEMS			LAST UPDT: 1/31/97		APPROVED: 2/21/95						
E E	590	ADV TPCS DIGT CMPUT	SPR/2010 - AUT/9999	2.0-05.0	16.0 Y								
		ADVANCED TOPICS IN DIGITAL COMPUTERS			LAST UPDT: 1/20/10								
		COMMENT:CHG MAX. CREDITS											
E E	591	ROBOT & CONTR COLL	AUT/1996 - AUT/9999	1.0	3.0 Y CR/NC						A A	591 A A	591
		ROBOTICS AND CONTROL SYSTEMS COLLOQUIUM			LAST UPDT: 4/03/97		APPROVED: 10/27/93				CHEM E	591	
											M E	591	
E E	592	RESEARCH SURVEY	AUT/2005 - AUT/9999	1.0	2.0 . CR/NC								
		ELECTRICAL ENGINEERING RESEARCH SURVEY			LAST UPDT: 12/20/04		APPROVED: 1/29/98						
E E	593	FEEDFORWARD CONTROL	SPR/2006 - AUT/9999	3.0							M E	593 M E	593
		FEEDFORWARD CONTROL			LAST UPDT: 4/27/05		APPROVED: 4/25/05				A A	593	
E E	594	ROBUST CONTROL	WIN/2010 - AUT/9999	3.0							A A	594 A A	594
		ROBUST CONTROL			LAST UPDT: 8/17/09		APPROVED: 3/29/05				M E	594	
		COMMENT:CHG PREQ											
E E	595	ADV TPCS CMU THRY	SPR/2010 - AUT/9999	1.0-05.0	16.0 .								
		ADVANCED TOPICS IN COMMUNICATION THEORY			LAST UPDT: 1/20/10								
		COMMENT:CHG MAX CREDITS											
E E	596	ADV TPCS S&I PROC	SPR/2010 - AUT/9999	2.0-05.0	16.0 .								
		ADVANCED TOPICS IN SIGNAL AND IMAGE PROCESSING			LAST UPDT: 1/20/10		APPROVED: 6/23/98						
		COMMENT:CHG MAX. CREDITS											
E E	597	NETWORKED DYN SYS	AUT/2008 - AUT/9999	3.0							A A	597 A A	597
		NETWORKED DYNAMICS SYSTEMS			LAST UPDT: 2/20/08		APPROVED: 2/19/08				M E	597	

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E E	599	SEL TOPICS IN E E	SPR/1961 - AUT/9999	0.0								
		SELECTED TOPICS IN ELECTRICAL ENGINEERING										
					LAST UPDT: 0/00/00							
E E	600	INDEPN DNT STDY/RSCH	SUM/1969 - AUT/9999	0.0	999.0		11					
		INDEPENDENT STUDY OR RESEARCH			LAST UPDT: 4/19/10							
E E	700	MASTERS THESIS	WIN/1968 - AUT/9999	0.0	999.0		11					
		MASTERS THESIS			LAST UPDT: 4/19/10			APPROVED: 1/01/70				
E E	800	DOCTORAL DISSERTATN	AUT/1970 - AUT/9999	0.0	999.0		11					
		DOCTORAL DISSERTATION			LAST UPDT: 4/19/10			APPROVED: 1/01/70				