

DATE: 10-09-2017
 TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,414

COLLEGE : O - Interschool or Col
 DEPARTMENT: BIOENGINEERING

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U	P	N	E	M	R	A	S				C	M	S	N
BIOEN 215	BIOE PROBLEM SOLVING Introduction to Bioengineering Problem Solving	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/16/10		APPROVED: 6/15/10											
BIOEN 290	GUIDED STUDIES SCI Guided Independent Studies on Transformative Science	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/07/12		APPROVED:10/16/12											
BIOEN 299	INTRO TO BIOENGR Introduction to Bioengineering	SPR/1975 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG GRADING			LAST UPDT: 6/15/07		APPROVED: 5/15/69											
BIOEN 315	BIOCH MOLEC BIOE Biochemical Molecular Engineering	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/23/11		APPROVED: 6/15/10											
BIOEN 316	SIGNALS AND SENSORS Biomedical Signals and Sensors	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, HRS			LAST UPDT:12/16/14		APPROVED: 6/15/10											
BIOEN 317	SIGNALS SENSORS LAB Biomedical Signals and Sensors Laboratory	AUT/2012 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG FEE			LAST UPDT: 7/23/15		APPROVED: 6/15/10		FEE TYPE:1 \$30.00 BUDGET:099204 REV OBJ CD:943081									
BIOEN 325	BIOTRANSPORT I Biotransport I	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, PREQ, HRS			LAST UPDT:12/16/14		APPROVED: 6/15/10											
BIOEN 326	SOLID&GEL MECHANICS Solid and Gel Mechanics	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, HOURS			LAST UPDT:12/16/14		APPROVED: 6/15/10											
BIOEN 327	FLUID&MATERIALS LAB Fluids and Materials Laboratory	AUT/2010 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/14/12		APPROVED: 6/15/10		FEE TYPE:1 \$45.00 BUDGET:099204 REV OBJ CD:943081									

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U	E	U	N	E	P	& N	C				M	S	N
BIOEN 405	TEAM DESIGN II Bioengineering Team Design II	SPR/2010 - WIN/2019	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/25/17		APPROVED: 3/16/10											
BIOEN 405	TEAM DESIGN II Bioengineering Team Design II	SPR/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/25/17		APPROVED: 3/16/10											
BIOEN 410	BIOE HONORS SEM Bioengineering Honors Seminar	AUT/2010 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/19/10		APPROVED:10/19/10											
BIOEN 420	MEDICAL IMAGING Medical Imaging	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC, PREQ			LAST UPDT: 1/16/13		APPROVED: 1/03/01											
BIOEN 423	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	423 CSE	486	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 3/22/16		APPROVED:11/17/09											
BIOEN 424	ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 424	E E	424	.
	COMMENT:EMAIL PREQ CHG, CHG DESC			LAST UPDT: 8/16/11		APPROVED:11/17/09											
BIOEN 425	LAB SYNTH BIO Laboratory Methods in Synthetic Biology	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	E E	425 CSE	488	.
				LAST UPDT: 3/21/16		APPROVED:11/17/09											
BIOEN 440	INTRO TO BIOMECH Introduction to Biomechanics	SPR/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	BIOEN 440	M E	445	.
	COMMENT:WAS BIOEN 445, CHG TITLES, CRD			LAST UPDT:12/07/00		APPROVED:12/30/98											
BIOEN 447	MRI & ULTRASOUND Fundamentals of Magnetic Resonance and Ultrasound Imaging	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17		APPROVED: 6/07/16											
BIOEN 449	THER DIAGN ULTRASND Therapeutic and Diagnostic Ultrasound	SPR/2017 - AUT/9999	4.0
				LAST UPDT: 5/11/17		APPROVED: 6/07/16											

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				-ALL	U		GRD	E	U		N	E	P	&	N			
BIOEN 455	BIOMEMS BioMEMS	SPR/2012 - AUT/9999	4.0
COMMENT:EMAIL PREQ CHG				LAST UPDT: 3/09/11		APPROVED: 1/03/00												
BIOEN 457	ADV MOL BIOEN Advanced Molecular Bioengineering	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG				LAST UPDT: 4/01/14		APPROVED: 1/03/00												
BIOEN 460	NEURAL ENGINEERING Neural Engineering	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/02/17		APPROVED: 6/07/16												
BIOEN 461	NEURAL TECH STUDIO Neural Engineering Tech Studio	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17		APPROVED: 6/07/16												
BIOEN 466	NEUROCOMP/ENGR LAB Neural Computation and Engineering Laboratory	SPR/2017 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	NBIO 405	NBIO 405	.	.
				LAST UPDT:11/29/16		APPROVED: 1/19/16		FEE TYPE:1 \$100.00 BUDGET:069241 REV OBJ CD:943081										
BIOEN 467	BIOCHEMICAL ENGRING Biochemical Engineering	WIN/1988 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	CHEM E467	CHEM E467	.	.
				LAST UPDT:10/04/94		APPROVED:12/17/87												
BIOEN 474	IMMUNOENGINEERING Immunoengineering	SPR/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 4/21/15												
BIOEN 485	COMPUTATIONAL BIOEN Computational Bioengineering	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG DESC, PREQ				LAST UPDT: 2/20/13		APPROVED: 1/03/00												
BIOEN 486	TISSUE ENGINEERING Tissue Engineering	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14												
BIOEN 487	BIOE & NANOTECH Bioengineering and Nanotechnology	AUT/2010 - AUT/9999	4.0
				LAST UPDT: 8/25/10		APPROVED: 8/24/10												

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				-ALL	U		GRD	E	U	N	E	P	&	N			
BIOEN 502	CELL BIOEN Cellular Bioengineering	SPR/2008 - AUT/9999	4.0
				LAST UPDT: 6/20/08		APPROVED: 2/19/08											
BIOEN 503	SYSTEMS BIOEN Systems Bioengineering	SPR/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/20/08		APPROVED: 2/19/08											
BIOEN 504	INTRO TECH COMMERCN Introduction to Technology Commercialization	WIN/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/19/09		APPROVED: 2/17/09											
BIOEN 505	BIOMED ENTRE Biomedical Entrepreneurship	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES, PREQ			LAST UPDT: 5/15/12		APPROVED: 2/17/09											
BIOEN 506	APPLY TECH COMMERCN Applying Technology Commercialization	WIN/2013 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG GRADING, DESC, HRS			LAST UPDT: 5/29/12		APPROVED: 2/17/09											
BIOEN 508	CAREER PATH ACADEM Career Pathways in Academia	SUM/2008 - AUT/9999	1.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/01/14		APPROVED: 2/19/08											
BIOEN 509	BIOEN DEPT SEMINAR Bioengineering Departmental Seminar	AUT/2012 - AUT/9999	1.0	16.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PERM DL			LAST UPDT: 9/27/12		APPROVED:11/18/08											
BIOEN 510	BIOENG SEMINARS Bioengineering Seminars	AUT/2005 - AUT/9999	1.0	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE CREDITS, CRS DESCRIPT'N			LAST UPDT: 8/01/14		APPROVED:12/15/83											
BIOEN 511	BIOMATERIAL SEMINAR Biomaterials Seminar	SPR/2010 - AUT/9999	1.0	18.0	.	CR/NC	.	.	.	.	.	.	.	.	.	BIOEN 511 CHEM E511	.
	COMMENT:CHG MAX CREDITS			LAST UPDT:12/15/09		APPROVED: 1/24/85											
BIOEN 513	TOPICS CARDIAC PHYS Current Topics in Cardiac Physiology	AUT/2008 - AUT/9999	1.0	3.0	.	CR/NC
				LAST UPDT: 4/17/08		APPROVED: 3/18/08											

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	&	N			
BIOEN 516	MED IMAGING SEMINAR Medical Imaging Seminar	WIN/2009 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/18/09		APPROVED: 2/17/09											
BIOEN 518	HEALTHCARE TRANSFM Healthcare Transformation: Forces, Directions, Implications	WIN/2018 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/26/17		APPROVED: 4/18/17											
BIOEN 520	MUSCULOSKEL BIOMECH Musculoskeletal Biomechanics	SPR/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	BIOEN 520 M E	527	.	.
				LAST UPDT: 3/19/14		APPROVED: 12/06/93											
				COMMENT:CHG TTLS,JT STATUS, DES, PREQ													
BIOEN 522	BIOMECH SOFT TISSUE Biomechanics of Soft Tissue	SPR/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/20/08		APPROVED: 2/19/08											
BIOEN 523	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E 523 CSE	586	.	.
				LAST UPDT: 9/28/16		APPROVED: 11/17/09											
				MOLENG 525 E E 523													
BIOEN 524	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													
BIOEN 530	BIOEN LIT ANALYSIS Bioengineering Professional Series I: Literature Analysis	AUT/2012 - AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 10/16/12											
BIOEN 531	PROPOSAL WRITING Bioengineering Professional Series II: Proposal Writing	WIN/2013 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 12/19/12		APPROVED: 12/18/12											
BIOEN 532	PROFESSIONAL SKILLS Bioengineering Professional Series III: Professional Skills Development	SPR/2013 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 10/16/12											
BIOEN 540	CLINICAL PRACTICUM Bioengineering Clinical Practicum	SUM/2016 - AUT/9999	4.0
				LAST UPDT: 5/11/17		APPROVED: 4/22/16											

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		E	U N E	P	& N C	M S N	A S W T P R G					
BIOEN 541	DESIGN SKILLS I Design Skills I: Clinical Needs Evaluation	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/06/17		APPROVED: 4/22/16											
BIOEN 542	DESIGN SKILLS II Design Skills II: Clinical Needs Evaluation	AUT/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/02/17		APPROVED: 4/22/16											
BIOEN 543	DESIGN SKILLS III Design Skills III: Project Implementation	SPR/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/31/17		APPROVED: 4/22/16											
BIOEN 544	ADV CLINICAL DESIGN Advanced Clinical Design Project	SUM/2017 - AUT/9999	1.0-10.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/06/17													
BIOEN 547	MRI & ULTRASOUND Fundamentals of Magnetic Resonance and Ultrasound Imaging	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17		APPROVED: 6/07/16											
BIOEN 549	THER DIAGN ULTRASND Therapeutic and Diagnostic Ultrasound	SPR/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17													
BIOEN 552	MICROFAB/MICROFLUID Microfabrication and Microfluidics	SUM/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/18/08		APPROVED: 6/17/08											
BIOEN 553	MICROFAB/FLUID LAB Microfabrication and Microfluidics Laboratory	SUM/2008 - AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/18/08		APPROVED: 6/17/08											
BIOEN 555	WATER NAT BIOL FUNC Water, Nature, and Biological Function	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/20/11		APPROVED: 1/24/85											
	COMMENT:CHANGE TITLES, DESCRIPTION																
BIOEN 557	ADV MOL BIOEN Advanced Molecular Bioengineering	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	BIOEN 557 MOLENG515
				LAST UPDT: 9/16/15		APPROVED: 9/15/15											
BIOEN 560	NEURAL ENGINEERING Neural Engineering	AUT/2016 - AUT/9999	3.0
				LAST UPDT: 5/11/17		APPROVED: 6/07/16											

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CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O
					-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N	COURSE	COURSES	I
BIOEN 561	NEURAL TECH STUDIO Neural Engineering Tech Studio	WIN/2017 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		5/11/17		APPROVED:		6/07/16							
BIOEN 565	NMR IN BIOMEDICINE Nuclear Magnetic Resonance in Biomedicine	WIN/1995 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 565	RADGY 550	.
					LAST UPDT:		8/01/14		APPROVED:		12/06/93							
BIOEN 566	NEUROCOMP/ENGR LAB Neural Computation and Engineering Laboratory	SPR/2017 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		3/03/17		APPROVED:		2/21/17							
BIOEN 571	POLYMERIC MATERIALS POLYMERIC MATERIALS	AUT/1992 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 571	MSE 571	.	
					LAST UPDT:		10/04/94		APPROVED:		5/29/92							
BIOEN 573	BIOSENSORS Biosensors and Biomedical Sensing	WIN/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		11/13/12		APPROVED:		12/06/93							
COMMENT:EMAIL PREQ CHG																		
BIOEN 574	IMMUNOENGINEERING Immunoengineering	SPR/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		7/23/15		APPROVED:		4/21/15							
BIOEN 576	PROTEIN ENGINEERING Laboratory Techniques in Protein Engineering	AUT/1993 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		12/08/93		APPROVED:		12/06/93							
BIOEN 577	CELL PROTEIN REACTN Cell and Protein Reaction with Foreign Materials	SPR/1995 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		6/06/95		APPROVED:		4/17/95							
BIOEN 578	BIOMEMBRANES Biomembranes	AUT/1998 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		6/24/98		APPROVED:		6/23/98							
BIOEN 579	HOST RESP BIOMAT Host Response to Biomaterials	AUT/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		7/06/01		APPROVED:		6/27/01							
BIOEN 585	COMPUTATIONAL BIOEN Computational Bioengineering	SPR/2013 -	AUT/9999	4.0	
					LAST UPDT:		2/20/13		APPROVED:		2/19/13							

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				-ALL	U		GRD	E	U	N	E	P	&	N			
BIOEN 586	TISSUE ENGINEERING Tissue Engineering	AUT/2014 - AUT/9999	3.0
	COMMENT:CHG DESC																
BIOEN 587	BIOE & NANOTECH Bioengineering and Nanotechnology	AUT/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BIOEN 588	COMP PROTEIN DESIGN Computational Protein Design	SPR/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BIOEN 590	ADV BIOMATERIALS Advanced Topics in Biomaterials	SPR/1986 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 590 CHEM E590	.	.	.
BIOEN 591	CONTROLLED REL SYS Controlled Release Systems	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BIOEN 592	SURFACE ANALYSIS Surface Analysis	WIN/1985 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 592 CHEM E558	.	.	.
BIOEN 593	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	BIOEN 593 CHEM E593	.	.	.
BIOEN 594	ADV DRUG DELIVERY Advanced Drug Delivery	SPR/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BIOEN 598	RESEARCH ROTATION Research Rotation	SPR/2008 - AUT/9999	1.0-10.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
BIOEN 599	SPEC TOPICS BIOENG Special Topics in Bioengineering	SUM/2011 - AUT/9999	1.0-06.0	30.0	Y	.	.	.	Y	.	.	.	.	.	.	.	.

LAST UPDT: 4/16/14 APPROVED:11/18/76
 FEE TYPE:1 \$37.00 BUDGET:068908 REV OBJ CD:943081

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V	E E W			RESPONS	JOINT	O
					-ALL	U		GRD	E	U		N	E	L				I	E	C	Q	T	M
MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	I

MEDENG 539 CLINIC DIAGNOSTICS AUT/2011 - AUT/9999 4.0
Clinical Diagnostics

LAST UPDT: 8/01/14 APPROVED: 2/17/09

COMMENT:WAS BIOEN 539

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				-ALL	U		GRD	E	U		N	E	P & A	N C			
PHARBE 513	CLINICAL DEVELOPMNT Clinical Development	SPR/2018 - AUT/9999	6.0
				LAST UPDT: 7/21/17		APPROVED: 2/19/13											
PHARBE 519	JOURNAL RSRCH SEM Journal Research Seminar	SPR/2016 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	MEDENG519	MEDENG519	.	.
	COMMENT:REMOVE DL			LAST UPDT: 8/01/14		APPROVED: 8/21/12											
PHARBE 520	MOLECULAR BIOTECH Molecular Biotechnology	AUT/2015 - AUT/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/26/16		APPROVED: 8/16/11											
PHARBE 521	DRUG DISCOVERY Drug Discovery and Design	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/26/16		APPROVED: 4/17/12											
PHARBE 522	MOLECULAR TARGETS Molecular Targets and Drug Classes	AUT/2015 - AUT/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:REMOVE DL			LAST UPDT: 7/21/17		APPROVED: 4/17/12											
PHARBE 522	MOLECULAR TARGETS Molecular Targets and Drug Classes	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/21/17		APPROVED: 4/17/12											
PHARBE 523	SYS BIOL & BIOINFO Systems Biology and Bioinformatics	AUT/2015 - WIN/2018	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/26/16		APPROVED: 2/19/13											