

DATE: 04-09-2018
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,412

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	GRD	E	U	N	E	P	&				N	C	M	S	N
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 415	BIOCONJ Bioconjugate Engineering	AUT/2017 - AUT/9999	4.0
				LAST UPDT:12/21/17		APPROVED:12/19/17												
BIOEN 420	MEDICAL IMAGING Medical Imaging	SPR/2013 - AUT/9999	4.0
				LAST UPDT: 1/16/13		APPROVED: 1/03/01												
				COMMENT:CHG DESC, PREQ														
BIOEN 423	INTRO SYNTH BIO Introduction to Synthetic Biology	AUT/2014 - AUT/9999	3.0	E E	423 CSE	486	.
				LAST UPDT: 3/22/16		APPROVED:11/17/09												
				COMMENT:14-16 PREQ CHG														
BIOEN 424	ADV SYNTHETIC BIO Advanced Systems and Synthetic Biology	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 424 E E	424	.
				LAST UPDT: 8/16/11		APPROVED:11/17/09												
				COMMENT:EMAIL PREQ CHG, CHG DESC														
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												
				COMMENT:E E 425														
BIOEN 436	QUANT PHYS Quantitative Physiology	AUT/2017 - AUT/2019	3.0
				LAST UPDT:12/21/17		APPROVED:12/19/17												
BIOEN 440	INTRO TO BIOMECH Introduction to Biomechanics	SPR/2001 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 440 M E	445	.
				LAST UPDT:12/07/00		APPROVED:12/30/98												
				COMMENT:WAS BIOEN 445, CHG TITLES, CRD														
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												

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				-ALL	U		GRD	E	U	N	E	P	&	N			
BIOEN 449	THER DIAGN ULTRASND Therapeutic and Diagnostic Ultrasound	SPR/2017 - AUT/9999	4.0
				LAST UPDT: 5/11/17		APPROVED: 6/07/16											
BIOEN 451	OCT IMAGING Optical Coherence Tomography	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											
BIOEN 455	BIOMEMS BioMEMS	SPR/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/09/11		APPROVED: 1/03/00											
				COMMENT:EMAIL PREQ CHG													
BIOEN 457	ADV MOL BIOEN Advanced Molecular Bioengineering	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/01/14		APPROVED: 1/03/00											
				COMMENT:EMAIL PREQ CHG													
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/2018 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	NBIO 405	NBIO 405
				LAST UPDT: 3/06/18		APPROVED: 1/19/16											
				FEE TYPE:1 \$110.00 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 468	RT BIOSIGNAL PROC Real-Time Biosignal Processing	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/18		APPROVED: 2/20/18											
BIOEN 474	IMMUNOENGINEERING Immunoengineering	SPR/2015 - AUT/9999	3.0
				LAST UPDT: 7/23/15		APPROVED: 4/21/15											

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				-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S
BIOEN 475	GHT: MOLEC DIAG Global Health Technology: Molecular Diagnostics	WIN/2018 - AUT/9999	4.0			
				LAST UPDT: 3/22/18		APPROVED: 3/20/18														
BIOEN 481	ENG CELL BIOL Engineering Cell Biology	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17														
BIOEN 483	VASCULAR ENGINEERING Vascular Biology & Engineering	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/18		APPROVED: 2/20/18														
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	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED: 8/24/10														
BIOEN 488	COMP PROTEIN DESIGN Computational Protein Design	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 4/15/11		APPROVED: 3/15/11														
BIOEN 490	ENG MATLS BIOMED AP Engineering Materials for Biomedical Applications	SPR/1978 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	BIOEN 490 CHEM E490
	COMMENT:NEW DESCRIPTION			LAST UPDT: 6/15/07		APPROVED: 9/23/71														
BIOEN 491	CONTROLLED REL SYS Controlled-Release Systems	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	BIOEN 491 CHEM E491
	COMMENT:CHG TITLES			LAST UPDT: 4/16/14		APPROVED:11/17/77														
BIOEN 492	SURFACE ANALYSIS Surface Analysis	WIN/1989 - AUT/9999	3.0	BIOEN 492 CHEM E458			
				LAST UPDT:10/04/94		APPROVED:12/17/87														

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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 493	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 493 CHEM E493	.	.
				LAST UPDT: 4/18/12		APPROVED: 4/17/12											
BIOEN 494	ADV DRUG DELIVERY Advanced Drug Delivery	SPR/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14											
BIOEN 497	BIOEN OUTREACH Bioengineering Education Outreach	SPR/2003 - AUT/9999	1.0-02.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/23/02		APPROVED:12/20/02											
BIOEN 498	SPECIAL TOPICS Special Topics	AUT/2008 - AUT/9999	1.0-06.0	15.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 8/14/12		APPROVED: 8/19/08		FEE TYPE:1 \$37.00 BUDGET:068908 REV OBJ CD:943081									
BIOEN 499	SPECIAL PROJECTS Special Projects	WIN/2009 - AUT/9999	1.0-06.0	24.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
COMMENT:RESUME MAX CREDITS 5-20-08				LAST UPDT: 5/19/08		APPROVED: 6/03/71											
BIOEN 501	MOLEC BIOEN Molecular Bioengineering	SPR/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/20/08		APPROVED: 2/19/08											
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											

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				-ALL U	GRD		U N E	P	N	C	M	S	N				
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											
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 536	QUANT PHYS Quantitative Physiology	AUT/2017 - AUT/2019	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											
BIOEN 540	CLINICAL PRACTICUM Bioengineering Clinical Practicum	SUM/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17		APPROVED: 4/22/16											
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											

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G								
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 568	RT BIOSIGNAL PROC Real-Time Biosignal Processing	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/22/18		APPROVED: 3/20/18												
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 575	GHT: MOLEC DIAG Global Health Technology: Molecular Diagnostics	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/22/18		APPROVED: 3/20/18												
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												

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				-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S
BIOEN 581	ENG CELL BIOL Engineering Cell Biology	AUT/2017 - AUT/9999	3.0		
				LAST UPDT:12/21/17		APPROVED:12/19/17														
BIOEN 583	VASCULAR ENGINEERING Vascular Biology & Engineering	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/18		APPROVED: 2/20/18														
BIOEN 585	COMPUTATIONAL BIOEN Computational Bioengineering	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/20/13		APPROVED: 2/19/13														
BIOEN 586	TISSUE ENGINEERING Tissue Engineering	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC			LAST UPDT: 4/16/14		APPROVED: 2/19/08														
BIOEN 587	BIOE & NANOTECH Bioengineering and Nanotechnology	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED: 8/24/10														
BIOEN 588	COMP PROTEIN DESIGN Computational Protein Design	SPR/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/15/11		APPROVED: 3/15/11														
BIOEN 590	ADV BIOMATERIALS Advanced Topics in Biomaterials	SPR/1986 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	BIOEN 590 CHEM E590	.		
				LAST UPDT:10/04/94		APPROVED:11/25/85														
BIOEN 591	CONTROLLED REL SYS Controlled Release Systems	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14														
BIOEN 592	SURFACE ANALYSIS Surface Analysis	WIN/1985 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	BIOEN 592 CHEM E558	.		
				LAST UPDT:10/04/94		APPROVED:10/25/84														
BIOEN 593	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	BIOEN 593 CHEM E593	.		
				LAST UPDT: 4/18/12		APPROVED: 4/17/12														
BIOEN 594	ADV DRUG DELIVERY Advanced Drug Delivery	SPR/2014 - AUT/9999	3.0		
				LAST UPDT: 4/16/14		APPROVED: 4/15/14														

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					-ALL	U		GRD	E	U	N	E	P	&	N			
BIOEN 598	RESEARCH ROTATION Research Rotation	SPR/2008 -	AUT/9999	1.0-10.0	30.0	.	CR/NC
					LAST UPDT: 2/20/08 APPROVED: 2/19/08													
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 COMMENT:CHG MAX CREDITS FEE TYPE:1 \$37.00 BUDGET:068908 REV OBJ CD:943081													
BIOEN 600	INDEPN DNT STDY/RSCH Independent Study or Research	SPR/2012 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/16/12 APPROVED:12/18/81 COMMENT:CHG GRADING													
BIOEN 601	INTERNSHIP Internship	SUM/2013 -	AUT/9999	1.0-10.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/05/13 APPROVED: 6/04/13													
BIOEN 700	MASTER'S THESIS Master's Thesis	SPR/2012 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/16/12 APPROVED:12/18/81 COMMENT:CHG GRADING													
BIOEN 800	DOCTORAL DISSERTATN Doctoral Dissertation	SPR/2012 -	AUT/9999	0.0	999.0	.	.	11
					LAST UPDT: 4/16/12 APPROVED: 4/25/85 COMMENT:CHG GRADING													

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					-ALL	U		GRD	E	U		N	E	L				I	E	C	Q	T	M
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	I	T

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

