





DATE: 04-13-2020  
 TIME: 20:10:06

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
 DETAILED CURRICULUM REPORT  
 Seattle CAMPUS

REPORT: SR21010-R-01 K  
 PAGE: 1,453

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			
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 217	MATLAB FUNDAMENTALS MATLAB Fundamentals for Bioengineers	SPR/2019 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/21/19		APPROVED: 2/19/19											
BIOEN 290	GUIDED STUDIES SCI Guided Independent Studies on Transformative Science	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/15/07		APPROVED: 5/15/69											
				COMMENT:CHG GRADING													
BIOEN 315	BIOCH MOLEC BIOE Biochemical Molecular Engineering	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/11		APPROVED: 6/15/10											
				COMMENT:EMAIL PREQ CHG													
BIOEN 316	SIGNALS AND SENSORS Biomedical Signals and Sensors	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/16/14		APPROVED: 6/15/10											
				COMMENT:CHG CREDITS, HRS													
BIOEN 317	SIGNALS SENSORS LAB Biomedical Signals and Sensors Laboratory	AUT/2012 - AUT/9999	2.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 6/15/10											
				COMMENT:CHG FEE													
				FEE TYPE:1 \$30.00 BUDGET:099204 REV OBJ CD:943081													
BIOEN 325	BIOTRANSPORT I Biotransport I	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/16/14		APPROVED: 6/15/10											
				COMMENT:CHG CREDITS, PREQ, HRS													
BIOEN 326	SOLID&GEL MECHANICS Solid and Gel Mechanics	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/16/14		APPROVED: 6/15/10											
				COMMENT:CHG CREDITS, HOURS													

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				-ALL U	GRD		U	N	E	P	& N	C	M	S			
BIOEN 327	FLUID&MATERIALS LAB Fluids and Materials Laboratory	AUT/2010 - AUT/9999	2.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/14/12 APPROVED: 6/15/10 FEE TYPE:1 \$45.00 BUDGET:099204 REV OBJ CD:943081													
BIOEN 335	BIOTRANSPORT II Biotransport II	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/02/13 APPROVED: 6/15/10 COMMENT:EMAIL PREQ CHG													
BIOEN 336	SYSTEMS AND CONTROL Bioengineering Systems and Control	SPR/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/02/13 APPROVED: 6/15/10 COMMENT:EMAIL PREQ CHG													
BIOEN 337	TRANS SYSTEMS LAB Mass Transport and Systems Laboratory	SPR/2019 - AUT/9999	2.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/29/19 APPROVED: 6/15/10 FEE TYPE:1 \$50.00 BUDGET:068908 REV OBJ CD:943081													
BIOEN 345	FAILURE AND PHYSIOL Failure Analysis and Human Physiology	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/16/14 APPROVED: 6/15/10 COMMENT:CHG PREQ													
BIOEN 400	DESIGN FUNDAMENTALS Fundamentals of Bioengineering Design	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/30/19 APPROVED: 4/18/17													
BIOEN 401	CAPSTONE PROPOSAL Bioengineering Capstone Proposal	SPR/2018 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/25/17 APPROVED: 3/16/10													
BIOEN 402	RESEARCH AND DESIGN Bioengineering Capstone Research and Design	SPR/2010 - AUT/9999	2.0-06.0	10.0	.	.	.	11	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/16 APPROVED: 3/16/10													
BIOEN 403	CAPSTONE RESEARCH Bioengineering Capstone Research	SPR/2010 - AUT/9999	2.0	4.0	.	.	.	11	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/16 APPROVED: 3/16/10													
BIOEN 404	TEAM DESIGN I Bioengineering Team Design I	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/19/18 APPROVED: 3/16/10													

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				-ALL	U		GRD	E	U	N	E	P	&	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/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	E E	423 CSE	486	.
				LAST UPDT: 4/10/19		APPROVED:11/17/09											
				E E 423													
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											
				CSE 487													
				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											
				E E 425													
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											
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 451	OCT IMAGING Optical Coherence Tomography	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											
BIOEN 454	BIOE GLOB HLTH SOLNS Bioengineering Solutions to Improve the Health of Women, Adolescents and Children	AUT/2018 - AUT/9999	1.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	G H	454 G H	454 .
				LAST UPDT: 5/09/18		APPROVED: 4/17/18											
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/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 460 E E	460 .	
				LAST UPDT:12/20/18		APPROVED: 6/07/16											
BIOEN 461	NEURAL TECH STUDIO Neural Engineering Tech Studio	SPR/2020 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 461 E E	461 .	
				LAST UPDT:10/07/19		APPROVED: 6/07/16											
BIOEN 463	OPTOGENETICS Optogenetics	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/07/19		APPROVED: 6/04/19											
BIOEN 466	NEUROCOMP/ENGR LAB Neural Computation and Engineering Laboratory	WIN/2020 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	BIOEN 466 E E	466 .	
				LAST UPDT:12/18/19		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											

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				-ALL U	GRD		U	N	E	P	& N	C	M	S				N		
BIOEN 470	SYS IMMUNOLOGY Systems Immunology and Immunoengineering	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 4/24/19		APPROVED: 2/19/19														
BIOEN 472	CANCER BIOSENSORS Biosensors for Cancer	AUT/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 2/27/19		APPROVED: 2/19/19														
BIOEN 474	IMMUNOENGINEERING Immunoengineering	SPR/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 7/23/15		APPROVED: 4/21/15														
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 and Engineering	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 8/07/18		APPROVED: 2/20/18														
BIOEN 485	COMPUTATIONAL BIOEN Computational Bioengineering	SPR/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 2/20/13		APPROVED: 1/03/00														
	COMMENT:CHG DESC, PREQ																			
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	SPR/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 4/23/18		APPROVED: 3/15/11														
BIOEN 489	ADV TISSUE ENGR Advanced Tissue Engineering	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
				LAST UPDT: 2/21/19		APPROVED: 2/19/19														

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				-ALL	U		GRD	E	U	N	E	P	&	N			
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											
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											

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				-ALL U	GRD		U	GRD	E	U	N	E	P	&			
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											
BIOEN 515	BIOCONJ Bioconjugate Engineering	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											







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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U	N	E	P	& N	C	M	S			
BIOEN 572	CANCER BIOSENSORS Biosensors for Cancer	AUT/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/27/19		APPROVED: 2/19/19											
BIOEN 573	BIOSENSORS Biosensors and Biomedical Sensing	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT:11/13/12		APPROVED:12/06/93											
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											
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 and Engineering	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/07/18		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											

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 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			
BIOEN 586	TISSUE ENGINEERING Tissue Engineering	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC																
BIOEN 587	BIOE & NANOTECH Bioengineering and Nanotechnology	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BIOEN 588	COMP PROTEIN DESIGN Computational Protein Design	SPR/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BIOEN 589	ADV TISSUE ENGR Advanced Tissue Engineering	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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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DEPARTMENT: BIOENGINEERING

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			
MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	T

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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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COLLEGE : 0 - Interschool or Col  
 DEPARTMENT: GLOBAL HEALTH

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
G H 101	INTRO TO GLOBAL HLTH Introduction to Global Health: Disparities, Determinants, Policies, and Outcomes	AUT/2018 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	G H 101 GEOG 180 .
																			LAST UPDT: 8/16/18 APPROVED: 8/24/10 JSIS B 180
G H 201	MULTIDIS GLOBL HLTH Multidisciplinary Perspectives in Global Health	AUT/2019 - AUT/9999		1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	
																			LAST UPDT: 4/17/19 APPROVED: 4/15/08
G H 210	GLOBAL DISEASE BIOL Confronting Global Diseases: Introductory Biologic Principles and Context	WIN/2015 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
																			COMMENT:CHG CREDITS, DESC LAST UPDT:11/19/14 APPROVED: 3/18/14
G H 220	ENV CHNG PUBL C HLTH Global Environmental Change and Public Health	WIN/2017 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	G H 220 ENV H 220 .
																			LAST UPDT:10/06/16 APPROVED: 9/20/16
G H 305	GLOBAL HLTH JUSTICE Global Health and Justice	WIN/2020 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	G H 305 LAW 305 .
																			LAST UPDT:10/07/19 APPROVED: 3/18/14
G H 306	RESPECTFL PARTNRSHPS Introduction to Collaborative Approaches and Respectful Partnerships in Global Health	AUT/2018 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
																			LAST UPDT: 4/23/18 APPROVED: 3/20/18
G H 307	IMPLMNT SCI GLBL HTH Introduction to Implementation Science for Global Health	AUT/2018 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
																			LAST UPDT: 4/23/18 APPROVED: 3/20/18
G H 308	NONCOMMUN DISEASES Contemporary Issues in Non-Communicable Diseases	WIN/2019 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
																			LAST UPDT:12/14/18 APPROVED: 6/05/18
G H 345	GLOBAL HEALTH ECON Global Health Economics	AUT/2018 - AUT/9999		5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	G H 345 ECON 345 .
																			LAST UPDT: 4/23/18 APPROVED: 3/20/18
G H 399	GH STUDY ABROAD Global Health Study Abroad	AUT/2011 - AUT/9999		1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
																			LAST UPDT:10/18/11 APPROVED:10/18/11
G H 401	GH CORE TOPICS Core Topics in Global Health	AUT/2019 - AUT/9999		1.0-03.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
																			LAST UPDT: 4/17/19 APPROVED: 4/15/08

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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			
G H 402	GH RESEARCH & PROGS Current Research and Programs in Global Health	AUT/2019 - AUT/9999	1.0-03.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 5/28/19		APPROVED: 8/24/10											
G H 406	UNFCCC CLIMATE NEGOT International Climate Negotiations within the United Nations Framework Convention on Climate Change	AUT/2018 - AUT/9999	1.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 5/16/18		APPROVED: 4/17/18											
G H 410	ADV BIOL GLBL DISEAS Advanced Biologic Principles of Global Diseases	AUT/2014 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/23/15		APPROVED: 2/23/96											
					COMMENT:WAS GH 201,CHG TTL,CRD,PRQ,DES													
G H 415	WAR AND HEALTH War and Health	AUT/2018 - AUT/9999	4.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 9/25/18		APPROVED:11/18/14											
G H 418	CC HEALTH RISKS Understanding and Managing the Health Risks of Climate Change	WIN/2017 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/28/16		APPROVED: 9/20/16											
G H 419	GLOBAL BIOETHICS Global Perspectives in Bioethics	SPR/2019 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/09/18		APPROVED: 9/18/18											
G H 446	GLOBAL REPRO HLTH Global Perspectives on Reproductive Health	SPR/2016 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 5/11/17		APPROVED: 3/15/16											
G H 454	BIOE GLOB HLTH SOLNS Bioengineering Solutions to Improve the Health of Women, Adolescents and Children	AUT/2018 - AUT/9999	1.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 5/09/18		APPROVED: 4/17/18											
G H 456	GLOBAL MENTAL HLTH Global Mental Health	SUM/2019 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/26/18		APPROVED: 2/19/13											
G H 458	GLOBL VIOLENCE/HLTH Global Violence and Health	WIN/2016 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/01/15		APPROVED: 9/15/15											
G H 482	HLTH OF POPULATIONS The Health of Populations	WIN/2016 - AUT/9999	4.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/25/16		APPROVED: 1/25/06											

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				-ALL	U		GRD	E	U	N	E	P	& N	C			
G H 490	SPECIAL TOPICS Special Topics	WIN/2009 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 3/02/09 APPROVED: 2/17/09																	
G H 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 5/18/12 APPROVED: 8/18/09																	
G H 500	GLOBAL HEALTH SEM Global Health Seminar	AUT/2014 - AUT/9999	1.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 7/23/15 APPROVED: 4/15/08																	
COMMENT:14-16 DESC CHG																	
G H 501	GH CORE TOPICS Core Topics in Global Health	AUT/2019 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/17/19 APPROVED:12/06/93																	
G H 502	GH RESEARCH & PROGS Current Research and Programs in Global Health	WIN/2020 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/17/19 APPROVED: 8/24/10																	
G H 503	MULTIDIS GLOBL HLTH Multidisciplinary Perspectives in Global Health	SUM/2019 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/18/18 APPROVED:12/06/93																	
G H 505	P-ADV GLOBAL HEALTH P-Advanced Global Health	WIN/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	MED	560	MED	560
LAST UPDT: 5/05/08 APPROVED: 1/30/03																	
COMMENT:CHG JT STATUS																	
G H 506	UNFCCC CLIMATE NEGOT International Climate Negotiations within the United Nations Framework Convention on Climate Change	AUT/2018 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/23/18 APPROVED: 3/20/18																	
G H 511	PROBS IN GLOBL HLTH Problems in Global Health	WIN/2013 - SUM/2020	0.0-04.0	4.0	.	.	11	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 3/20/20 APPROVED: 6/20/07																	
COMMENT:PERM DL																	
G H 511	PROBS IN GLOBL HLTH Problems in Global Health	AUT/2020 - AUT/9999	0.0-04.0	4.0	.	.	11	.	.	.	.	.	.	G H	511	HMS	511
LAST UPDT: 3/20/20 APPROVED: 6/20/07																	

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				-ALL	U		GRD	E	U	N	E	P	& N	C			
G H 514	GOBL SOCL DET HLTH Global Societal Determinants of Health	SPR/2018 - AUT/9999	2.0-03.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 3/22/18 APPROVED: 9/27/91																	
G H 515	WAR AND HEALTH War and Health	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	HSERV 515	HSERV 515	.	.
LAST UPDT: 9/25/18 APPROVED:11/18/14																	
G H 516	HEALTH HUMAN RIGHTS Health and Human Rights	SPR/2018 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	G H 516	LAW H 540	.	.
LAST UPDT: 7/01/19 APPROVED: 3/25/02 FEE TYPE:2 \$2820.00 BUDGET:069195 REV OBJ CD:943081																	
G H 517	INTL ETHC JUS HLTH International Bioethics, Social Justice, and Health Seminar	AUT/2018 - AUT/9999	1.0	3.0	.	CR/NC	.	.	Y	.	.	.	.	G H 517	LAW H 506	.	.
LAST UPDT: 6/28/19 APPROVED: 6/17/08 FEE TYPE:2 \$940.00 BUDGET:069195 REV OBJ CD:943081																	
G H 518	CC HEALTH RISKS Understanding and Managing the Health Risks of Climate Change	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	G H 518	ENV H 518	.	.
LAST UPDT:10/28/16 APPROVED: 9/20/16																	
G H 519	GLOBAL BIOETHICS Global Perspectives in Bioethics	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	B H 588	B H 588	.	.
LAST UPDT:10/09/18 APPROVED: 9/18/18																	
G H 521	LEADERSHIP DEVLPMNT Leadership Development in Global Health	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 3/22/16 APPROVED: 8/24/10																	
G H 522	GLBL PRG MGMT & LDR Global Program Management and Leadership	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 9/20/18 APPROVED:11/20/07																	
G H 523	POL DVLPMT & ADVOCY Policy Development and Advocacy for Global Health	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 6/05/13 APPROVED: 8/24/10 COMMENT:WAS G H 524, CHG CREDITS																	
G H 524	PROJ MGMT GOBL HLTH Project Management in Global Health	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/22/18 APPROVED: 9/18/18																	



























