

DATE: 10-07-2013
TIME: 20:10:07

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,314

COLLEGE : 0 - Interschool or Col
DEPARTMENT: BIOENGINEERING

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
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		.	.	.	.	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	AUT/2010 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT: 6/16/10		APPROVED: 6/15/10						
BIOEN 317	SIGNALS SENSORS LAB BIOMEDICAL SIGNALS AND SENSORS LABORATORY	AUT/2012 - AUT/9999	2.0		.	.	.	Y	.	.			.
					LAST UPDT: 6/29/12		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/2010 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT: 6/16/10		APPROVED: 6/15/10						
BIOEN 326	SOLID&GEL MECHANICS SOLID AND GEL MECHANICS	SPR/2013 - AUT/9999	3.0		.	.	.	.	.	.			.
					LAST UPDT: 1/02/13		APPROVED: 6/15/10						
COMMENT:EMAIL PREQ CHG													
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													

REPORT: SR21010-R-01 J
PAGE: 1,315

DEPARTMENT: BIOENGINEERING

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COURSE				QUARTER	OVER	D	D	S	H	F	V	E	E	W		M				
CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	-ALL	U	GRD	E	U	N	E	P	C	M	S	N	R	I	T
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G
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	WIN/2013 - AUT/9999	2.0		.		.		.	.	Y	.	.	.	.	.	.	.	.
					LAST UPDT:11/27/12 APPROVED: 6/15/10															
COMMENT:ADD FEE					FEE TYPE:1	\$17.00	BUDGET:068908	REV OBJ CD:943081												
BIOEN	345	FAILURE AND PHYSIOL FAILURE ANALYSIS AND HUMAN PHYSIOLOGY	SPR/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/02/13 APPROVED: 6/15/10															
COMMENT:EMAIL PREQ CHG																				
BIOEN	401	CAPSTONE PRINCIPLES BIOENGINEERING CAPSTONE PRINCIPLES	SPR/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/17/10 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:12/03/10 APPROVED: 3/16/10															
BIOEN	403	CAPSTONE RESEARCH BIOENGINEERING CAPSTONE RESEARCH	SPR/2010 - AUT/9999	2.0	4.0	.		.	11	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/17/10 APPROVED: 3/16/10															
BIOEN	404	TEAM DESIGN I BIOENGINEERING TEAM DESIGN I	SPR/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/17/10 APPROVED: 3/16/10															
BIOEN	405	TEAM DESIGN II BIOENGINEERING TEAM DESIGN II	SPR/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/17/10 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		.		.		.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 1/16/13 APPROVED: 1/03/01															
COMMENT:CHG DESC, PREQ																				

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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
BIOEN 488	COMP PROTEIN DESIGN COMPUTATIONAL PROTEIN DESIGN	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.			.
					LAST UPDT: 4/15/11		APPROVED: 3/15/11						
COMMENT:EMAIL PREQ CHG													
BIOEN 490	ENG MATLS BIOMED AP ENGINEERING MATERIALS FOR BIOMEDICAL APPLICATIONS	SPR/1978 -	AUT/9999	3.0	.	.	.	.	.	.	BIOEN 490	CHEM E490	.
					LAST UPDT: 6/15/07		APPROVED: 9/23/71						
COMMENT:NEW DESCRIPTION													
BIOEN 491	CONTROLLED RELEASE CONTROLLED-RELEASE SYSTEMS: PRINCIPLES AND APPLICATIONS	WIN/1979 -	AUT/9999	3.0	.	.	.	.	.	.	BIOEN 491	CHEM E491	.
					LAST UPDT:10/04/94		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 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	.	.	.			.
					LAST UPDT: 5/19/08		APPROVED: 6/03/71						
COMMENT:RESUME MAX CREDITS 5-20-08													
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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PAGE: 1,318

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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
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: 8/27/08		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: 5/15/13		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 516	MED IMAGING SEMINAR MEDICAL IMAGING SEMINAR	WIN/2009 -	AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 2/18/09		APPROVED: 2/17/09							

REPORT: SR21010-R-01 J
PAGE: 1,319

DEPARTMENT: BIOENGINEERING

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COURSE					OVER D	D	S H F			L I	E C Q T							M
CURRIC	NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	-ALL U	GRD	UNE	HYPH	M R E	P & N	C M S N	A S W T P R G	RESPONS	JOINT				I T
BIOEN	518	NANOTECH SEMINAR NANO TECHNOLOGY SEMINAR	AUT/2006 - AUT/9999	1.0	18.0 .	CR/NC .			. . .				CHEM	597	CHEM	597		
					LAST UPDT:	9/21/06	APPROVED:	9/21/06										
BIOEN	520	ORTHOPEDIC BIOMECH ORTHOPEDIC BIOMECHANICS	WIN/1995 - AUT/9999	4.0	.	.			. . .									.
					LAST UPDT:	12/08/93	APPROVED:	12/06/93										
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/2011 - AUT/9999	3.0	.	.			. . .				E E	523	CSE	586		.
		COMMENT:EMAIL PREQ CHG			LAST UPDT:	3/09/11	APPROVED:	11/17/09						E E	523			
BIOEN	524	ADV SYNTHETIC BIO ADVANCED SYSTEMS AND SYNTHETIC BIOLOGY	AUT/2011 - AUT/9999	3.0	.	.			. . .				BIOEN	524	E E	524		.
		COMMENT:CHG DESC			LAST UPDT:	8/16/11	APPROVED:	11/17/09						CSE	587			
BIOEN	530	BIOEN LIT ANALYSIS BIOENGINEERING PROFESSIONAL SERIES I: LITERATURE ANALYSIS	AUT/2012 - AUT/9999	2.0	. CR/NC .				. . .	. . Y								.
					LAST UPDT:	10/17/12	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 .				. . .	. . Y								.
					LAST UPDT:	10/17/12	APPROVED:	10/16/12										
BIOEN	552	MICROFAB/MICROFLUID MICRO FABRICATION AND MICRO FLUIDICS	SUM/2008 - AUT/9999	3.0	.	.			. . .									.
					LAST UPDT:	6/18/08	APPROVED:	6/17/08										
BIOEN	553	MICROFAB/FLUID LAB MICRO FABRICATION AND MICRO FLUIDICS LABORATORY	SUM/2008 - AUT/9999	2.0	. CR/NC .				. . .									.
					LAST UPDT:	6/18/08	APPROVED:	6/17/08										

DATE: 10-07-2013
TIME: 20:10:07

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,320

COLLEGE : 0 - Interschool or Col
DEPARTMENT: BIOENGINEERING

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 Q T M S P R G	RESPONS COURSE	JOINT COURSES	O M I T
BIOEN 555	WATER NAT BIOL FUNC WATER, NATURE, AND BIOLOGICAL FUNCTION	AUT/2011 - AUT/9999	3.0		.	.	.	.	.	.			.
COMMENT:CHANGE TITLES, DESCRIPTION					LAST UPDT: 6/20/11 APPROVED: 1/24/85								
BIOEN 565	NMR IN BIOMEDICINE NUCLEAR MAGNETIC RESONANCE IN BIOMEDICINE	WIN/1995 - AUT/9999	2.0		.	.	.	.	.	.	BIOEN 565	RADGY 550	.
					LAST UPDT:10/03/94 APPROVED:12/06/93								
BIOEN 568	IMAGE PROC COMP SYS IMAGE-PROCESSING COMPUTER SYSTEMS	SPR/1988 - AUT/9999	4.0		.	.	.	.	.	.	E E 568	E E 568	.
					LAST UPDT:10/04/94 APPROVED: 9/17/87								
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		.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT:11/13/12 APPROVED:12/06/93								
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								

DATE: 10-07-2013
TIME: 20:10:07

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,321

COLLEGE : 0 - Interschool or Col
DEPARTMENT: BIOENGINEERING

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U	GRD SYS	D E	S H F U N E	V L I	E E P & N C M S N	W R	RESPONS COURSE	JOINT COURSES	O M I T
					MAX	P	D HYPH	M R E	A S W	T P R G				
BIOEN 586	TISSUE ENGINEERING TISSUE ENGINEERING	SPR/2008 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
					LAST UPDT: 4/16/08		APPROVED: 2/19/08							
BIOEN 587	BIOE & NANOTECH BIOENGINEERING AND NANOTECHNOLOGY	AUT/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.			.
					LAST UPDT: 8/25/10		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 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 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	.	.			.
COMMENT:CHG MAX CREDITS					LAST UPDT: 8/14/12 APPROVED:11/18/76									
					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	.	.	.			.
COMMENT:CHG GRADING					LAST UPDT: 4/16/12		APPROVED:12/18/81							
BIOEN 601	INTERNSHIP INTERNSHIP	SUM/2013 -	AUT/9999	1.0-10.0	10.0	.	.	.	.	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 6/04/13							

DATE: 10-07-2013
TIME: 20:10:07

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,322

COLLEGE : 0 - Interschool or Col
DEPARTMENT: BIOENGINEERING

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD E SYS D	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 R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
BIOEN 700	MASTER'S THESIS MASTER'S THESIS	SPR/2012 -	AUT/9999	0.0	999.0 .	. 11	. . .						.
COMMENT:CHG GRADING					LAST UPDT: 4/16/12 APPROVED:12/18/81								
BIOEN 800	DOCTORAL DISSERTATN DOCTORAL DISSERTATION	SPR/2012 -	AUT/9999	0.0	999.0 .	. 11	. . .						.
COMMENT:CHG GRADING					LAST UPDT: 4/16/12 APPROVED: 4/25/85								

DATE: 10-07-2013
TIME: 20:10:07

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,323

COLLEGE : 0 - Interschool or Col
DEPARTMENT: BIOENGINEERING

DEPARTMENT: BIOENGINEERING										V L E E W										O			
COURSE						QUARTER		OVER D		D		S H F		L I		E C Q T		RESPONS		JOINT		M	
CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	MAX	P	GRD	E	HYPH	M	R	E	A	S	W	T	P	R	COURSE	COURSES	I	T
MEDENG	519	JOURNAL RSRCH SEM JOURNAL RESEARCH SEMINAR	AUT/2012	- WIN/2016	1.0				CR/NC											MEDENG519	PHARBE519		
COMMENT:INITAL DL						LAST UPDT: 9/05/12						APPROVED: 8/21/12											
MEDENG	519	JOURNAL RSRCH SEM JOURNAL RESEARCH SEMINAR	SPR/2016	- AUT/9999	1.0				CR/NC											MEDENG519	PHARBE519		
COMMENT:REMOVE DL						LAST UPDT: 9/05/12						APPROVED: 8/21/12											
MEDENG	530	CELL BIOLOGY CELL BIOLOGY	AUT/2011	- AUT/9999	4.0																		
COMMENT:WAS BIOEN 530						LAST UPDT: 3/14/11						APPROVED: 3/17/09											
MEDENG	531	CELL BIOLOGY LAB CELL BIOLOGY LABORATORY	AUT/2011	- AUT/9999	2.0																		
COMMENT:WAS BIOEN 531						LAST UPDT: 3/14/11						APPROVED: 3/17/09											
MEDENG	532	MED DEVICE DESIGN MEDICAL DEVICE DESIGN	AUT/2012	- WIN/2016	4.0																		
COMMENT:INITIAL DL						LAST UPDT:11/20/12						APPROVED: 3/17/09											
MEDENG	532	MED DEVICE DESIGN MEDICAL DEVICE DESIGN	SPR/2016	- AUT/9999	4.0																		
COMMENT:END INITIAL DL						LAST UPDT:12/12/12						APPROVED: 3/17/09											
MEDENG	533	MED DEVICE INDUSTRY REGULATORY AFFAIRS FOR THE MEDICAL DEVICE INDUSTRY	AUT/2012	- WIN/2016	4.0																		
COMMENT:INITIAL DL						LAST UPDT:11/20/12						APPROVED: 2/17/09											
MEDENG	533	MED DEVICE INDUSTRY REGULATORY AFFAIRS FOR THE MEDICAL DEVICE INDUSTRY	SPR/2016	- AUT/9999	4.0																		
COMMENT:END INITIAL DL						LAST UPDT:11/20/12						APPROVED: 2/17/09											
MEDENG	534	MED DEVICE COMMERCN MEDICAL DEVICE COMMERCIALIZATION	SPR/2013	- SUM/2016	4.0																		
COMMENT:INITIAL DL						LAST UPDT:11/20/12						APPROVED: 2/17/09											

DATE: 10-07-2013
TIME: 20:10:07

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 J
PAGE: 1,324

COLLEGE : 0 - Interschool or Col
DEPARTMENT: BIOENGINEERING

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 R	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
MEDENG 534	MED DEVICE COMMERCN MEDICAL DEVICE COMMERCIALIZATION	AUT/2016 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:END INITIAL DL					LAST UPDT:11/20/12 APPROVED: 2/17/09									
MEDENG 536	BIOSENSORS BIOSENSORS	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:PERM DL					LAST UPDT: 9/27/12 APPROVED: 8/19/08									
MEDENG 537	BIOMAT & BIOCOMPAT BIOMATERIALS AND BIOCOMPATIBILITY	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS BIOEN 537					LAST UPDT: 3/14/11 APPROVED: 5/19/09									
MEDENG 538	MED IMG DIAGNOSTICS MEDICAL IMAGING DIAGNOSTICS	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS BIOEN 538					LAST UPDT: 3/14/11 APPROVED: 2/17/09									
MEDENG 539	CLINIC DIAGNOSTICS CLINICAL DIAGNOSTICS	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS BIOEN 539					LAST UPDT: 3/14/11 APPROVED: 2/17/09									

REPORT: SR21010-R-01 J
PAGE: 1,325

REPORT: SR21010-R-01 J
PAGE: 1,326

DEPARTMENT: BIOENGINEERING

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REPORT: SR21010-R-01 J
PAGE: 1,327

DEPARTMENT: BIOENGINEERING																RESPONS COURSE		JOINT COURSES		
COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX	D P	GRD SYS	D HYPH	S H F U N E M R E	V L I & A	E C N S W T P R G	R Q T S N G									
PHARBE 520	MOLECULAR BIOTECH MOLECULAR BIOTECHNOLOGY	AUT/2011 - WIN/2015	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:INITAL DL				LAST UPDT:		4/18/12		APPROVED:		8/16/11										
PHARBE 520	MOLECULAR BIOTECH MOLECULAR BIOTECHNOLOGY	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:REMOVE DL				LAST UPDT:		4/18/12		APPROVED:		8/16/11										
PHARBE 521	DRUG DISCOVERY DRUG DISCOVERY AND DESIGN	WIN/2012 - SPR/2015	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:INITAL DL				LAST UPDT:		4/18/12		APPROVED:		4/17/12										
PHARBE 521	DRUG DISCOVERY DRUG DISCOVERY AND DESIGN	SUM/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:REMOVE DL				LAST UPDT:		4/18/12		APPROVED:		4/17/12										
PHARBE 522	MOLECULAR TARGETS MOLECULAR TARGETS AND DRUG CLASSES	SPR/2012 - SUM/2015	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:INITAL DL				LAST UPDT:		4/18/12		APPROVED:		4/17/12										
PHARBE 522	MOLECULAR TARGETS MOLECULAR TARGETS AND DRUG CLASSES	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:REMOVE DL				LAST UPDT:		4/18/12		APPROVED:		4/17/12										
PHARBE 523	SYS BIOL & BIOINFO SYSTEMS BIOLOGY AND BIOINFORMATICS	AUT/2012 - WIN/2015	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
COMMENT:INITIAL DL				LAST UPDT:		2/20/13		APPROVED:		2/19/13										