

DATE: 01-17-2017
TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,391

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	E	U	N	E	P	&	N				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	.	.	.	.	.	.	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													
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									

DATE: 01-17-2017
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,394

COLLEGE : O - Interschool or Col
 DEPARTMENT: BIOENGINEERING

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 460	NEURAL ENGINEERING Neural Engineering	AUT/2016 -	AUT/9999	3.0
LAST UPDT: 6/13/16 APPROVED: 6/07/16																		
BIOEN 461	NEURAL TECH STUDIO Neural Engineering Tech Studio	WIN/2017 -	AUT/9999	4.0
LAST UPDT: 6/23/16 APPROVED: 6/07/16																		
BIOEN 466	NEUROCOMP/ENGR LAB Neural Computation and Engineering Laboratory	SPR/2016 -	WIN/2017	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 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
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	AUT/2010 -	AUT/9999	4.0
LAST UPDT: 8/25/10 APPROVED: 8/24/10																		
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																		

DATE: 01-17-2017
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,395

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	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											

DATE: 01-17-2017
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,396

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	E	U	N	E	P	&	N			
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 516	MED IMAGING SEMINAR Medical Imaging Seminar	WIN/2009 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/18/09		APPROVED: 2/17/09											

DATE: 01-17-2017
TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,398

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 N E	P & N C M S N	A S W T P R G	RESPONS COURSE	JOINT COURSES						
BIOEN 543	DESIGN SKILLS III Design Skills III: Project Implementation	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/28/16		APPROVED: 4/22/16											
BIOEN 547	MRI & ULTRASOUND Fundamentals of Magnetic Resonance and Ultrasound Imaging	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/30/16		APPROVED: 6/07/16											
BIOEN 549	THER DIAGN ULTRASND Therapeutic and Diagnostic Ultrasound	SPR/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/30/16													
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: 6/13/16		APPROVED: 6/07/16											
BIOEN 561	NEURAL TECH STUDIO Neural Engineering Tech Studio	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/23/16		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 571	POLYMERIC MATERIALS POLYMERIC MATERIALS	AUT/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	BIOEN 571 MSE 571	.
				LAST UPDT:10/04/94		APPROVED: 5/29/92											

DATE: 01-17-2017
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,400

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	E	U	N	E	P	&	N			
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											
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													

DATE: 01-17-2017
TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,401

COLLEGE : O - Interschool or Col
DEPARTMENT: BIOENGINEERING

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

BIOEN	800	DOCTORAL DISSERTATN	SPR/2012 - AUT/9999	0.0	999.0	.	.	11
-------	-----	---------------------	---------------------	-----	-------	---	---	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Doctoral Dissertation

LAST UPDT: 4/16/12 APPROVED: 4/25/85

COMMENT:CHG GRADING

DATE: 01-17-2017
TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,403

COLLEGE : O - Interschool or Col
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				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

DATE: 01-17-2017
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,405

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	E	U	N	E	P	& N	C				M	S	N
PHARBE 510	APPL PHARMACOKINET Applied Pharmacokinetics	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/26/16		APPROVED: 6/21/11											
PHARBE 511	PROCESS DEVELOPMENT Process Development	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/07/16		APPROVED: 4/17/12											
PHARBE 512	FORMULATION DELIVER Formulation and Delivery	AUT/2015 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:REMOVE DL			LAST UPDT: 2/26/16		APPROVED: 4/17/12											
PHARBE 513	CLINICAL DEVELOPMNT Clinical Development	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/07/16		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	SUM/2015 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:REMOVE DL			LAST UPDT: 2/26/16		APPROVED: 4/17/12											
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/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:REMOVE DL			LAST UPDT: 3/07/16		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											