

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: 247

COLLEGE : C - Arts & Sciences  
 DEPARTMENT: CHEMISTRY

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D				S H F				V L E E W				RESPONS COURSE	JOINT COURSES	O M I T	
				-ALL U	GRD	E	D	U N E	M R E	P & A	N S W	C T P	M S R	S N G					
CHEM 110	INTRO TO GEN CHEM Introduction to General Chemistry	AUT/2012 - AUT/9999	3.0-05.0	5.0	. CR/NC	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				COMMENT:CHG CREDITS															
						LAST UPDT: 5/16/12		APPROVED:10/24/91											
CHEM 120	PRINCIPLES OF CHEM I Principles of Chemistry I	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.	.
				COMMENT:12-14 DESC, PREQ CHG															
						LAST UPDT: 2/09/15		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081											
CHEM 142	GENERAL CHEMISTRY General Chemistry	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.	.
				COMMENT:CHG DESC															
						LAST UPDT: 5/05/16		APPROVED: 2/14/97											
						FEE TYPE:1 \$65.00		BUDGET:069318 REV OBJ CD:943081											
CHEM 143	ACCELERATD GEN CHEM Accelerated General Chemistry	AUT/2016 - AUT/9999	6.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Y
						LAST UPDT: 6/20/16		APPROVED: 4/22/16											
CHEM 144	ADV GENERAL CHEM ADVANCED GENERAL CHEMISTRY	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG															
						LAST UPDT: 7/31/12		APPROVED: 6/16/09											
						FEE TYPE:1 \$55.00		BUDGET:069318 REV OBJ CD:943081											
CHEM 145	H-GENERAL CHEMISTRY Honors General Chemistry	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG															
						LAST UPDT: 2/09/15		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081											
CHEM 152	GENERAL CHEMISTRY General Chemistry	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.	.
				COMMENT:CHG DESC															
						LAST UPDT: 3/11/15		APPROVED: 2/14/97											
						FEE TYPE:1 \$65.00		BUDGET:069318 REV OBJ CD:943081											
CHEM 153	AACELERATD GEN CHEM Accelerated General Chemistry	WIN/2017 - AUT/9999	6.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 4/28/16		APPROVED: 4/22/16											
CHEM 154	ADV GENERAL CHEM ADVANCED GENERAL CHEMISTRY	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.	.
				COMMENT:EMAIL PREQ CHG															
						LAST UPDT: 7/31/12		APPROVED: 6/16/09											
						FEE TYPE:1 \$55.00		BUDGET:069318 REV OBJ CD:943081											



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					-ALL	U		GRD	E	U	N	E	P	&	N				C	M
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CHEM 221	PRINCIPLES CHEM III Principles of Chemistry III	AUT/2012 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.			
					LAST UPDT: 2/09/15 APPROVED: 4/28/94															
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081															
CHEM 223	ORG CHEM SHORT PROG Organic Chemistry - Short Program	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.			
					LAST UPDT: 7/31/12 APPROVED:10/01/89															
CHEM 224	ORG CHEM SHORT PROG Organic Chemistry - Short Program	WIN/2002 -	AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.			
					LAST UPDT:10/26/04 APPROVED:10/01/89															
					COMMENT:CHANGE COURSE DESCRIPTOIN															
CHEM 237	ORGANIC CHEMISTRY Organic Chemistry	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.			
					LAST UPDT: 7/31/12 APPROVED:10/27/89															
					COMMENT:12-14 PREQ CHG															
CHEM 238	ORGANIC CHEMISTRY Organic Chemistry	AUT/2016 -	AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.			
					LAST UPDT: 7/18/16 APPROVED:10/27/89															
CHEM 239	ORGANIC CHEMISTRY Organic Chemistry	AUT/2016 -	WIN/2017	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.			
					LAST UPDT:12/23/16 APPROVED:10/01/89															
CHEM 239	ORGANIC CHEMISTRY Organic Chemistry	SPR/2017 -	AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.			
					LAST UPDT:12/23/16 APPROVED:10/01/89															
CHEM 241	ORGANIC CHEM LAB Organic Chemistry Laboratory	AUT/2016 -	AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.			
					LAST UPDT: 7/18/16 APPROVED: 9/01/77															
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081															
CHEM 242	ORGANIC CHEM LAB Organic Chemistry Laboratory	AUT/2016 -	AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.			
					LAST UPDT: 7/18/16															
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081															

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DEPARTMENT: CHEMISTRY

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	P	SYS	D	HYPH	M				R	E	A	S	W	T	P
CHEM 291	STUDY ABROAD Study Abroad - Chemistry	SPR/2007 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/24/07		APPROVED: 1/24/07														.				
CHEM 296	INTRO CHEM RESEARCH RESEARCH IN CHEMISTRY, AN INTRODUCTION	SPR/2002 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/14/02		APPROVED: 2/14/97														.				
				COMMENT:GENCAT PREREQ CHANGE																				
CHEM 297	SCI OUTREACH PARTIC SCIENCE OUTREACH PARTICIPATION	WIN/2017 - AUT/9999	1.0-02.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/23/16		APPROVED: 9/27/93														.				
CHEM 299	SPEC PROBS/RPT WRTG Special Problems and Report Writing	SPR/1995 - AUT/9999	1.0-06.0	6.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/17/06		APPROVED: 9/20/84														.				
CHEM 312	INORGANIC CHEMISTRY Inorganic Chemistry	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED:10/01/89														.				
CHEM 317	INORGANIC CHEM LAB Inorganic Chemistry Laboratory	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED:10/01/89														.				
				FEE TYPE:1		\$65.00 BUDGET:069318		REV OBJ CD:943081														.		
CHEM 321	QUANTITATIVE ANLYS Quantitative Analysis	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/09/15		APPROVED: 9/01/77														.				
				FEE TYPE:1		\$65.00 BUDGET:069318		REV OBJ CD:943081														.		
				COMMENT:CHG PREQ																				
CHEM 335	H-ORGANIC CHEMISTRY Honors Organic Chemistry	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/31/12		APPROVED: 2/01/71														.				
				COMMENT:12-14 PREQ CHG																				
CHEM 336	H-ORGANIC CHEMISTRY Honors Organic Chemistry	WIN/1986 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/26/04		APPROVED: 2/01/71														.				
CHEM 337	H-ORGANIC CHEMISTRY Honors Organic Chemistry	WIN/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/05		APPROVED: 2/01/71														.				
				COMMENT:CHG DESCRIPTION																				



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				-ALL MAX	U P		GRD SYS	E D	HYPH	M	R	E	P A	N S				C W
CHEM 419	BIOINORGANIC CHEM Bioinorganic Chemistry	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED: 10/01/89												
CHEM 425	MESO/MICROFLUIDICS Meso and Microfluidics in Chemical Analysis	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 12/23/16		APPROVED: 9/20/16												
CHEM 426	INSTRUMENTAL ANLYS Instrumental Analysis	SPR/1992 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/09/15		APPROVED: 9/27/91												
				FEE TYPE: 3		\$65.00		BUDGET: 069318		REV		OBJ		CD: 943081				
CHEM 428	BIOINSTRUMENT ANLYS Bioinstrumental Analysis	SPR/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/09/15		APPROVED: 10/26/04												
				COMMENT: CHG PREQ		FEE TYPE: 1		\$65.00		BUDGET: 069318		REV		OBJ		CD: 943081		
CHEM 429	SEPARATION TECHS Chemical Separation Techniques	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED: 2/01/84												
CHEM 430	ADV PHYS ORGNC CHEM Advanced Physical Organic Chemistry	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED: 9/15/15												
CHEM 431	ADV SYN ORGNC CHEM Advanced Synthetic Organic Chemistry	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/24/15		APPROVED: 9/15/15												
CHEM 432	ADV BIO ORGNC CHEM Advanced Bio-Organic Chemistry	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED: 9/15/15												
CHEM 433	THEORETICAL ORGANIC THEORTCL ORGANIC CHMSTRY-PREDICTNS & EXPRMNTL TSTS	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/09/09		APPROVED: 2/22/93												
				COMMENT: EMAIL PREQ CHG														
CHEM 434	POLYMER CHEMISTRY Polymer Chemistry	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 2/23/16												

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				-ALL U	GRD		U N E	P	N C			M S N	A S	T P			
CHEM 436	CHEMICAL BIOLOGY Chemical Biology	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/18/16 APPROVED: 2/28/94													
CHEM 437	DNA & PROTEIN CHEM ORGANIC & BIOORGANIC CHEM NUCLEIC ACIDS IN PROTEIN	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/09/09 APPROVED: 2/28/92													
				COMMENT:EMAIL PREQ CHG													
CHEM 452	PHYS CHEM BIOC I Physical Chemistry for Biochemists I	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/23/14 APPROVED:11/01/88													
				COMMENT:14-16 DESC CHG													
CHEM 453	PHYS CHEM BIOC II Physical Chemistry for Biochemists II	WIN/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/26/04 APPROVED: 6/21/99													
CHEM 455	PHYSICAL CHEMISTRY Physical Chemistry	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/31/12													
				COMMENT:12-14 PREQ CHG													
CHEM 456	PHYSICAL CHEMISTRY Physical Chemistry	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/31/12 APPROVED: 9/01/86													
				COMMENT:12-14 PREQ CHG													
CHEM 457	PHYSICAL CHEMISTRY Physical Chemistry	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/02/14 APPROVED: 6/01/71													
				COMMENT:EMAIL PREQ CHG													
CHEM 458	AIR POLLUTION CHEM Air Pollution Chemistry	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	ATM S 458	ATM S 458
				LAST UPDT: 2/11/14													
				COMMENT:CHG TITLES, PREQ, DESC													
CHEM 460	SPECT MOLEC IDENT Spectroscopic Molecular Identification	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/18/16 APPROVED:12/01/83													

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					-ALL	U		GRD	E	U		N	E	L	I	E				C	Q	T
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G			
CHEM	461	PHYS CHEM LAB Physical Chemistry Laboratory	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.	.	.
				COMMENT:CHG CREDITS, PREQ		LAST UPDT: 2/09/15		APPROVED: 7/01/71		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	462	SYNTH ORGANIC TECH Techniques of Synthetic Organic Chemistry	AUT/2016 - AUT/9999	2.0-03.0	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.	.	.
				COMMENT:CHG CREDITS, PREQ		LAST UPDT: 7/18/16		APPROVED:		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	463	SPECTRO TECHNIQUES Spectroscopic Techniques for Structural Identification	AUT/1980 - AUT/9999	2.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.	.	.
				COMMENT:CHG CREDITS, PREQ		LAST UPDT: 2/09/15		APPROVED:12/01/83		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	464	COMPUTER DATA ANLYS Computers in Data Acquisition and Analysis	SPR/2002 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.	.	.
				COMMENT:GENCAT PREREQ CHANGE		LAST UPDT: 2/09/15		APPROVED: 9/27/91		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	465	COMPUTATIONAL CHEM Computations in Chemistry	WIN/2003 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.	.	.
				COMMENT:EMAIL PREREQ CHG		LAST UPDT: 2/09/15		APPROVED: 2/28/94		FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	475	H-PHYSICAL CHEM Honors Physical Chemistry	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:12-14 PREQ CHG		LAST UPDT: 7/31/12		APPROVED: 2/25/00														
CHEM	476	HONORS PHYS CHEM HONORS PHYSICAL CHEMISTRY	WIN/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:12-14 PREQ CHG		LAST UPDT: 3/16/00		APPROVED: 2/25/00														
CHEM	477	HONORS PHYS CHEM HONORS PHYSICAL CHEMISTRY	SPR/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:12-14 PREQ CHG		LAST UPDT: 3/16/00		APPROVED: 2/25/00														
CHEM	484	ELECT &OPTO POLYMERS Electronic and Optoelectronic Polymers	AUT/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				COMMENT:12-14 PREQ CHG		LAST UPDT:12/17/15		APPROVED: 2/24/06														



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				-ALL	U		GRD	E	U	N	E	P	&	N			
CHEM 485	ELEC STRUCT MATERLS Electronic Structure and Application of Materials	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/17/14		APPROVED: 9/16/14											
CHEM 486	ELEC DYN ORG INORG Electronic Dynamics in Organic and Inorganic Materials	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/17/14		APPROVED: 9/16/14											
CHEM 491	ADV STUDY ABROAD Study Abroad - Advanced Chemistry	SPR/2007 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 1/24/07		APPROVED: 1/24/07											
CHEM 496	UG RES SEMINAR RESEARCH SEMINAR FOR UNDERGRADUATES	WIN/2004 - AUT/9999	1.0	2.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	CHEM 496 BIOC 496
				LAST UPDT:10/27/03		APPROVED: 6/21/99											
				COMMENT:EMAIL PREREQ CHANGE													
CHEM 498	TEACHING CHEMISTRY Teaching Chemistry	WIN/1992 - AUT/9999	3.0	.	CR/NC	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 7/23/14		APPROVED: 9/27/91											
CHEM 499	UG RES/REPORT WRTG Undergraduate Research and Report Writing	AUT/1985 - AUT/9999	0.0	12.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	Y	.
				LAST UPDT: 4/11/94													
CHEM 500	GRNT PRPS & SCI WRT Grant Proposal and Scientific Writing	AUT/2013 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/17/13		APPROVED: 9/17/13											
CHEM 501	READINGS IN CHEM Readings in Chemistry	WIN/1997 - AUT/9999	1.0	9.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/15/97		APPROVED:12/31/96											
CHEM 502	PRACTICAL NMR PRACT NMR METH FOR BIOL & ORG STRUCT ELUCIDATION	WIN/1991 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00		APPROVED:10/01/89											
CHEM 508	ADV INORGANIC CHEM Advanced Inorganic Chemistry	SPR/1972 - AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00													
CHEM 510	CRNT PRBS INOR CHEM Current Problems in Inorganic Chemistry	WIN/2006 - AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/18/05		APPROVED:12/01/87											
				COMMENT:CHANGE CREDITS													

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						-ALL	U		GRD	E	U	N	E	P	&	N			
CHEM	516	TRANSITION METALS Transition Metals	AUT/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/17/15			APPROVED: 9/15/15										
CHEM	517	ORGANOMETALLICS Organometallics	WIN/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT:10/21/15			APPROVED:10/20/15										
CHEM	520	CRNT PRB ANLYT CHEM Current Problems in Analytical Chemistry	WIN/2006 -	AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 8/18/05			COMMENT:CHANGE CREDITS										
CHEM	521	ELECTROCHEMISTRY Analytical Electrochemistry	SPR/1986 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 9/09/15			APPROVED:12/01/85										
CHEM	522	ANLYT SPECTROSCOPY Atomic and Molecular Analytical Spectroscopy	AUT/1986 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT:10/15/92			APPROVED:12/01/85										
CHEM	523	GEOCHEMICAL CYCLES Geochemical Cycles	SPR/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	OCEAN 523 ATM S 508		
						LAST UPDT: 3/22/16			APPROVED:12/20/99					OCEAN 523					
						COMMENT:MOVE JT COLLEGE													
CHEM	524	ANLYT MASS SPECTROM Analytical Mass Spectrometry	WIN/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT:10/21/15			APPROVED:10/20/15										
CHEM	525	PROCESS ANALYSIS PROCESS ANALYTICAL CHEMISTRY	SPR/1986 -	WIN/2017	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT:11/15/16			APPROVED:12/19/85					DROPPED:10/18/16					
CHEM	525	MESO/MICROFLUIDICS Meso and Microfluidics in Chemical Analysis	SPR/2017 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT:11/15/16			APPROVED: 9/20/16										
CHEM	526	CHEMOMETRICS CHEMOMETRICS	AUT/1986 -	AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.		
						LAST UPDT: 8/17/06													

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				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
CHEM 529	SEPARATION TECHS Chemical Separation Techniques	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/15/11		APPROVED: 11/15/11											
CHEM 530	ADV PHYS ORGNC CHEM Advanced Physical Organic Chemistry	AUT/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/24/15		APPROVED: 2/01/80											
CHEM 531	ADV SYN ORGNC CHEM Advanced Synthetic Organic Chemistry	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/23/15													
CHEM 532	ADV BIO ORGNC CHEM Advanced Bio-Organic Chemistry	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/23/15		APPROVED: 2/01/80											
CHEM 534	POLYMER CHEMISTRY Polymer Chemistry	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/16		APPROVED: 2/23/16											
CHEM 536	CHEMICAL BIOLOGY Chemical Biology	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/22/16		APPROVED: 12/16/14											
CHEM 540	CUR PROBS ORGN CHEM CURRENT PROBLEMS IN ORGANIC CHEMISTRY	SPR/1997 - AUT/9999	1.0-03.0	12.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/11/14													
CHEM 550	INTRO QUANTUM CHEM Introduction to Quantum Chemistry	AUT/1968 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/05/10													
CHEM 551	INTRO QUANTUM CHEM Introduction to Quantum Chemistry	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/14													
				COMMENT:EMAIL ENFORCE PREQ													
CHEM 552	STATISTCL MECHANICS Statistical Mechanics	WIN/1969 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/03/10													
CHEM 553	STATISTCL MECHANICS Statistical Mechanics	SPR/1969 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/03/10													

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				-ALL	U		GRD	E	U	N	E	P	&	N			
CHEM 554	BIOMOLE SPECTROSCOPY Introduction to Biomolecular Spectroscopy	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/30/16		APPROVED: 9/20/16											
CHEM 559	CHEMICAL KINETICS CHEMICAL KINETICS	WIN/1979 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00													
CHEM 560	CUR PROB PHYS CHEM Current Problems in Physical Chemistry	SPR/1997 - AUT/9999	1.0-03.0	12.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/09/97		APPROVED: 3/01/77											
CHEM 562	SURFACE-MEMBRANE SURFACE AND MEMBRANE CHEMISTRY	SPR/1978 - AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/06/93		APPROVED: 3/01/77											
CHEM 563	MAGNETIC RESONANCE MAGNETIC RESONANCE METHODS IN CHEMISTRY	SPR/1978 - AUT/9999	3.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/17/06		APPROVED: 3/30/77											
CHEM 564	ELECT/PHOTONIC MTLs Organic Electronic and Photonic Materials/Polymers	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	MSE 560	MOLENG530
				LAST UPDT:10/21/15		APPROVED: 8/20/04											
CHEM 565	COMPUTATION IN CHEM Computations in Chemistry	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/21/11		APPROVED: 9/20/11											
CHEM 581	PREP 2ND YEAR EXAM Preparation for Second-Year Exam	AUT/2006 - AUT/9999	3.0	9.0	Y	CR/NC	.	11	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/12/09		APPROVED:10/05/92											
COMMENT:CHG TTLS, CREDITS, DESCRIPTION																	
CHEM 584	ELECT &OPTO POLYMERS Electronic and Optoelectronic Polymers	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/21/15		APPROVED:10/20/15											
CHEM 585	ELEC STRUCT MATERLS Electronic Structure and Application of Materials	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 9/17/14		APPROVED: 9/16/14											
CHEM 586	ELEC DYN ORG INORG Electronic Dynamics in Organic and Inorganic Materials	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 2/23/15		APPROVED: 9/16/14											

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				-ALL	U		GRD	E	U	N	E	P	&	N				C
CHEM 590	SMNR GENERAL CHEM Seminar in General Chemistry	AUT/1967 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/03/10														
CHEM 591	SMNR INORGANIC CHEM Seminar in Inorganic Chemistry	WIN/1970 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00														
CHEM 592	SMNR ANALYTCL CHEM Seminar in Analytical Chemistry	AUT/1972 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00														
CHEM 593	SMNR ORGANIC CHEM Seminar in Organic Chemistry	AUT/1969 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/26/09														
CHEM 595	SMNR PHYSICAL CHEM Seminar in Physical Chemistry	AUT/1967 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/12/14														
CHEM 596	SMNR BIOTECHNOLOGY SEMINAR IN BIOTECHNOLOGY	AUT/1996 - AUT/9999	1.0	6.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/10/96 APPROVED: 6/20/94														
				COMMENT:REPL CHEM 571;CHNG DESCRIPT														
CHEM 597	SEMINAR IN MOLENG Seminar in Molecular Engineering	WIN/2017 - AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	MOLENG520	MOLENG520
				LAST UPDT:10/05/16 APPROVED:11/18/14														
CHEM 600	INDEPN DNT STDY/RSCH Independent Study or Research	AUT/1967 - AUT/9999	0.0	999.0	.	.	.	11	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/10														
CHEM 700	MASTERS THESIS Master's Thesis	WIN/1970 - AUT/9999	0.0	999.0	.	.	.	11	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/10 APPROVED: 1/01/70														
CHEM 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/1970 - AUT/9999	0.0	999.0	.	.	.	11	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/10 APPROVED: 1/01/70														