

DATE: 01-19-2016
TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 246

COLLEGE : C - Arts & Sciences
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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
CHEM 110	INTRO TO GEN CHEM Introduction to General Chemistry	AUT/2012 -	AUT/9999	3.0-05.0	5.0	. CR/NC	.	.	.	Y	.	.	.
					LAST UPDT: 5/16/12 APPROVED:10/24/91								
					COMMENT:CHG CREDITS								
CHEM 120	PRINCIPLES OF CHEM I Principles of Chemistry I	AUT/2012 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 2/09/15								
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081								
					COMMENT:12-14 DESC, PREQ CHG								
CHEM 142	GENERAL CHEMISTRY General Chemistry	AUT/2015 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 3/11/15 APPROVED: 2/14/97								
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081								
					COMMENT:CHG DESC								
CHEM 144	ADV GENERAL CHEM ADVANCED GENERAL CHEMISTRY	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					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	.
					LAST UPDT: 2/09/15								
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081								
					COMMENT:EMAIL PREQ CHG								
CHEM 152	GENERAL CHEMISTRY General Chemistry	AUT/2015 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 3/11/15 APPROVED: 2/14/97								
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081								
					COMMENT:CHG DESC								
CHEM 154	ADV GENERAL CHEM ADVANCED GENERAL CHEMISTRY	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 7/31/12 APPROVED: 6/16/09								
					FEE TYPE:1 \$55.00 BUDGET:069318 REV OBJ CD:943081								
CHEM 155	H-GENERAL CHEMISTRY Honors General Chemistry	AUT/2008 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 2/09/15								
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081								
					COMMENT:CHG DESC PER 08-10 UPDATE								
CHEM 162	GENERAL CHEMISTRY General Chemistry	AUT/2015 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 3/11/15 APPROVED: 2/14/97								
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081								
					COMMENT:CHG DESC								

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D		GRD	D	S H F		V		E E W		RESPONS	JOINT	O
						-ALL	U			E	U N E	L I	E C Q T	P & N C M S N				
						MAX	P	SYS	D	HYPH	M R E	A S W	T P R G	COURSE	COURSES			I
CHEM	164	ADV GENERAL CHEM ADVANCED GENERAL CHEMISTRY	AUT/2009 -	AUT/9999	5.0		.	.	.	.	Y	.	Y	.	Y	.	.	.
						LAST UPDT: 7/31/12 APPROVED: 6/16/09 FEE TYPE:1 \$55.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	165	H-GENERAL CHEMISTRY Honors General Chemistry	AUT/2008 -	AUT/9999	5.0		.	.	.	.	Y	.	Y	.	Y	.	.	.
						LAST UPDT: 2/09/15 APPROVED: 2/23/96 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	190	DISCOVERY SEMINAR Freshman Discovery Seminar in Chemistry	AUT/2009 -	AUT/9999	5.0		.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 3/18/09 APPROVED: 3/17/09												
CHEM	192	CHEM ACHVMNT WRKSHP Chemistry Achievement Workshop	WIN/2016 -	SPR/2016	1.0		.	CR/NC	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:10/23/15 APPROVED:10/20/15												
CHEM	197	SCI OUTREACH TRAIN SCIENCE OUTREACH TRAINING	SPR/1997 -	AUT/9999	1.0-02.0	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:12/31/96 APPROVED: 9/27/93												
CHEM	198	TUTORIAL STUDY Tutorial Study	AUT/2005 -	AUT/9999	2.0	6.0	Y	CR/NC	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT:10/27/05												
						COMMENT:CHANGE CREDITS												
CHEM	199	SPECIAL PROBLEMS Special Problems	SPR/1995 -	AUT/9999	1.0-06.0	6.0	Y	CR/NC	.	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 7/23/15 FEE TYPE:1 \$50.00 BUDGET:069318 REV OBJ CD:943081												
CHEM	220	PRINCIPLES CHEM II Principles of Chemistry II	AUT/2012 -	AUT/9999	5.0		.	.	.	.	Y	.	Y	.	.	.	.	.
						LAST UPDT: 2/09/15 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081												
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												
						COMMENT:12-14 DESC CHG												

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CHEM 223	ORG CHEM SHORT PROG Organic Chemistry - Short Program	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:12-14 PREQ CHG					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	.	.	.	.
COMMENT:CHANGE COURSE DESCRIPTOIN					LAST UPDT:10/26/04 APPROVED:10/01/89									
CHEM 237	ORGANIC CHEMISTRY Organic Chemistry	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:12-14 PREQ CHG					LAST UPDT: 7/31/12 APPROVED:10/27/89									
CHEM 238	ORGANIC CHEMISTRY Organic Chemistry	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED:10/27/89									
CHEM 239	ORGANIC CHEMISTRY Organic Chemistry	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED:10/01/89									
CHEM 241	ORGANIC CHEM LAB Organic Chemistry Laboratory	SUM/2014 -	AUT/9999	3.0	.	.	.	Y	.	Y	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/09/15 APPROVED: 9/01/77 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 242	ORGANIC CHEM LAB Organic Chemistry Laboratory	AUT/2014 -	AUT/9999	3.0	.	.	.	Y	.	Y	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/09/15 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 291	STUDY ABROAD Study Abroad - Chemistry	SPR/2007 -	AUT/9999	1.0-15.0	15.0	.	.	.	.	Y	.	.	.	.
COMMENT:12-14 PREQ CHG					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	.	.	.	Y	.	.	.	.
COMMENT:GENCAT PREREQ CHANGE					LAST UPDT: 2/14/02 APPROVED: 2/14/97									

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CHEM 297	SCI OUTREACH PARTIC SCIENCE OUTREACH PARTICIPATION	AUT/1998 -	AUT/9999	1.0-02.0	6.0	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 2/27/98 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	.	.	.	.	Y	.	.	.
					LAST UPDT: 8/17/06 APPROVED: 9/20/84									
CHEM 312	INORGANIC CHEMISTRY Inorganic Chemistry	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 7/31/12 APPROVED:10/01/89									
					COMMENT:12-14 PREQ CHG									
CHEM 317	INORGANIC CHEM LAB Inorganic Chemistry Laboratory	AUT/2002 -	AUT/9999	4.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 2/09/15 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	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 2/09/15 APPROVED: 9/01/77									
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 335	H-ORGANIC CHEMISTRY Honors Organic Chemistry	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
					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	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:10/26/04 APPROVED: 2/01/71									
CHEM 337	H-ORGANIC CHEMISTRY Honors Organic Chemistry	WIN/2003 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 2/23/05 APPROVED: 2/01/71									
					COMMENT:CHG DESCRIPTION									
CHEM 346	H-ORGANIC CHEM LAB Organic Chemistry Honors Laboratory	WIN/2015 -	AUT/9999	3.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 2/09/15 APPROVED: 9/01/77									
					FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
					COMMENT:EMAIL PREREQ CHANGE									

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CHEM 347	H-ORG&QUAL ORGN LAB Organic and Qualitative Organic Honors Laboratory	WIN/2015 - AUT/9999	3.0		.	.	.	. . Y	. . Y		.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/09/15 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 397	SCI OUTREACH MENTOR SCIENCE OUTREACH MENTORS	AUT/1998 - AUT/9999	1.0-02.0	6.0	.	CR/NC	.	. . .		.	.			.
					LAST UPDT: 2/27/98 APPROVED: 9/27/93									
CHEM 399	UNDERGRAD RESEARCH Undergraduate Research	AUT/1984 - AUT/9999	0.0	12.0	Y	CR/NC	.	. . .		.	.			.
					LAST UPDT: 4/11/94									
CHEM 410	RADIOCHEM LAB Radiochemistry Laboratory	WIN/2013 - AUT/9999	2.0	.	.	.	.	. . Y	. . Y		.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/09/15 APPROVED:12/01/89 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 415	THE CHEMICAL BOND THE CHEMICAL BOND	SPR/2002 - AUT/9999	3.0	.	.	.	.	. . .	. . Y		.			.
COMMENT:GENCAT PREREQ CHANGE					LAST UPDT: 1/16/02									
CHEM 416	TRANSITION METALS Transition Metals	SPR/2002 - AUT/9999	3.0	.	.	.	.	. . .	. . Y		.			.
COMMENT:GENCAT PREREQ CHANGE					LAST UPDT: 4/21/05 APPROVED: 6/01/85									
CHEM 417	ORGANOMETALLIC CHEM Organometallic Chemistry	AUT/2009 - AUT/9999	3.0	.	.	.	.	. . .	. . Y		.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED:12/01/87									
CHEM 418	NUCLEAR CHEMISTRY Nuclear Chemistry	WIN/2016 - SPR/2018	3.0	.	.	.	.	. . .	. . Y		.			.
					LAST UPDT: 9/17/15 APPROVED: 5/01/81									
CHEM 418	NUCLEAR CHEMISTRY Nuclear Chemistry	SUM/2018 - AUT/9999	3.0	.	.	.	.	. . .	. . Y		.			.
					LAST UPDT: 9/17/15 APPROVED: 5/01/81									
CHEM 419	BIOINORGANIC CHEM Bioinorganic Chemistry	AUT/2009 - AUT/9999	3.0	.	.	.	.	. . .	. . Y		.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED:10/01/89									

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CHEM 426	INSTRUMENTAL ANALYS Instrumental Analysis	SPR/1992 -	AUT/9999	3.0	.	.	.	. . Y	. . Y		.	.	.	.
					LAST UPDT: 2/09/15 APPROVED: 9/27/91 FEE TYPE:3 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 428	BIOINSTRUMENT ANALYS Bioinstrumental Analysis	SPR/2009 -	AUT/9999	3.0	.	.	.	. . Y	. . Y		.	.	.	.
					LAST UPDT: 2/09/15 APPROVED:10/26/04 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 429	SEPARATION TECHS Chemical Separation Techniques	AUT/2009 -	AUT/9999	3.0	.	.	.	. . .	. . Y		.	.	.	.
					LAST UPDT: 7/09/09 APPROVED: 2/01/84 COMMENT:EMAIL PREQ CHG									
CHEM 430	ADV PHYS ORGNC CHEM Advanced Physical Organic Chemistry	AUT/2015 -	AUT/9999	3.0	.	.	.	. . .	. . Y		.	.	.	.
					LAST UPDT: 9/17/15 APPROVED: 9/15/15									
CHEM 431	ADV SYN ORGNC CHEM Advanced Synthetic Organic Chemistry	WIN/2016 -	AUT/9999	3.0	.	.	.	. . .	. . Y		.	.	.	.
					LAST UPDT: 9/24/15 APPROVED: 9/15/15									
CHEM 432	ADV BIO ORGNC CHEM Advanced Bio-Organic Chemistry	SPR/2016 -	AUT/9999	3.0	.	.	.	. . .	. . Y		.	.	.	.
					LAST UPDT: 9/24/15 APPROVED: 9/15/15									
CHEM 433	THEORETICAL ORGANIC THEORTCL ORGANIC CHMSTRY-PREDICTNS & EXPRMNTL TSTS	AUT/2009 -	AUT/9999	3.0	.	.	.	. . .	. . Y		.	.	.	.
					LAST UPDT: 7/09/09 APPROVED: 2/22/93 COMMENT:EMAIL PREQ CHG									
CHEM 436	CHEMICAL BIOLOGY Chemical Biology	AUT/2014 -	AUT/9999	3.0	.	.	.	. . .	. . Y		.	.	.	.
					LAST UPDT: 3/19/14 APPROVED: 2/28/94 COMMENT:CHG TITLES, DESC									
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									

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CHEM 452	PHYS CHEM BIOCI Physical Chemistry for Biochemists I	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:14-16 DESC CHG					LAST UPDT: 7/23/14 APPROVED:11/01/88									
CHEM 453	PHYS CHEM BIOCI Physical Chemistry for Biochemists II	WIN/2000 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:14-16 DESC CHG					LAST UPDT:10/26/04 APPROVED: 6/21/99									
CHEM 455	PHYSICAL CHEMISTRY Physical Chemistry	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:12-14 PREQ CHG					LAST UPDT: 7/31/12									
CHEM 456	PHYSICAL CHEMISTRY Physical Chemistry	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:12-14 PREQ CHG					LAST UPDT: 7/31/12 APPROVED: 9/01/86									
CHEM 457	PHYSICAL CHEMISTRY Physical Chemistry	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 9/02/14 APPROVED: 6/01/71									
CHEM 458	AIR POLLUTION CHEM Air Pollution Chemistry	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:CHG TITLES, PREQ, DESC					LAST UPDT: 2/11/14									
CHEM 460	SPECT MOLEC IDENT Spectroscopic Molecular Identification	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED:12/01/83									
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/2000 -	AUT/9999	2.0-03.0	3.0	.	.	Y	.	Y	.	.	.	.
COMMENT:EMAIL PREREQ CHANGE					LAST UPDT: 2/09/15 FEE TYPE:1 \$65.00 BUDGET:069318 REV OBJ CD:943081									

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CHEM 463	SPECTRO TECHNIQUES Spectroscopic Techniques for Structural Identification	AUT/1980 - AUT/9999	2.0	.	.	. . Y	. . Y				.			
				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				.			
				LAST UPDT: 2/09/15 APPROVED: 9/27/91										
				COMMENT:GENCAT PREREQ CHANGE 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				.			
				LAST UPDT: 2/09/15 APPROVED: 2/28/94										
				COMMENT:EMAIL PREREQ CHG 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	.	.	. . .	. . Y				.			
				LAST UPDT: 7/31/12 APPROVED: 2/25/00										
				COMMENT:12-14 PREQ CHG										
CHEM 476	HONORS PHYS CHEM HONORS PHYSICAL CHEMISTRY	WIN/2001 - AUT/9999	3.0	.	.	. . .	. . Y				.			
				LAST UPDT: 3/16/00 APPROVED: 2/25/00										
CHEM 477	HONORS PHYS CHEM HONORS PHYSICAL CHEMISTRY	SPR/2001 - AUT/9999	3.0	.	.	. . .	. . Y				.			
				LAST UPDT: 3/16/00 APPROVED: 2/25/00										
CHEM 484	ELECT &OPTO POLYMERS Electronic and Optoelectronic Polymers	AUT/2015 - AUT/9999	3.0	.	.	. . .	. . Y		CHEM 484 MSE	484	.			
				LAST UPDT: 12/17/15 APPROVED: 2/24/06										
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										

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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									
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									

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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	OCEAN 523	.
					LAST UPDT: 2/10/10 APPROVED:12/20/99									
COMMENT:MOVE JT COLLEGE					ATM S 508									
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 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/17/06 APPROVED:12/19/85									
CHEM 526	CHEMOMETRICS CHEMOMETRICS	AUT/1986 - AUT/9999	3.0	9.0 Y	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/17/06									
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	.	.	.	.	.	.	.	.	.	.	.
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CHEM 532	ADV ORGANIC CHEM Advanced Organic Chemistry	SUM/1999 - WIN/2016	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 9/23/15 APPROVED: 2/01/80									
					COMMENT:CHANGE DESCRIPTION									
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 536	CHEMICAL BIOLOGY Chemical Biology	WIN/2015 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT:12/17/14 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									
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									

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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					MSE 560		.
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							
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									

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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	NANOTECH SEMINAR Nanotechnology Seminar	AUT/2015 -	AUT/9999	1.0	18.0 .	CR/NC .	.	.	.	.	.	.	.	.
LAST UPDT: 9/16/15 APPROVED: 9/21/06														
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														