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DETAILED CURRICULUM REPORT
Seattle CAMPUS

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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:11/06/14								
					COMMENT:12-14 DESC, PREQ CHG								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
CHEM 142	GENERAL CHEMISTRY General Chemistry	AUT/2012 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 7/31/12 APPROVED: 2/14/97								
					COMMENT:12-14 DESC CHG								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
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: 8/26/13								
					COMMENT:EMAIL PREQ CHG								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
CHEM 152	GENERAL CHEMISTRY General Chemistry	AUT/2014 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 7/23/14 APPROVED: 2/14/97								
					COMMENT:14-16 DESC								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
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: 7/23/14								
					COMMENT:CHG DESC PER 08-10 UPDATE								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
CHEM 162	GENERAL CHEMISTRY General Chemistry	AUT/2012 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.
					LAST UPDT: 7/23/14 APPROVED: 2/14/97								
					COMMENT:12-14 DESC, PREQ CHG								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								

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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 C M T P R	W R Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
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: 7/23/14 APPROVED: 2/23/96 COMMENT:CHG DESC PER 08-10 UPDATE FEE TYPE:1 \$60.00 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 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: 7/22/04 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: 7/31/12 COMMENT:12-14 DESC, PREQ CHG FEE TYPE:1 \$60.00 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: 7/31/12 APPROVED: 4/28/94 COMMENT:12-14 DESC CHG FEE TYPE:1 \$60.00 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 COMMENT:12-14 PREQ CHG														

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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/2009 - AUT/9999	4.0		.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 7/09/09 APPROVED:10/27/89									
COMMENT:EMAIL PREQ CHG														
CHEM 239	ORGANIC CHEMISTRY Organic Chemistry	AUT/2009 - AUT/9999	3.0		.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 7/09/09 APPROVED:10/01/89									
COMMENT:EMAIL PREQ CHG														
CHEM 241	ORGANIC CHEM LAB Organic Chemistry Laboratory	SUM/2014 - AUT/9999	3.0		.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 3/24/14 APPROVED: 9/01/77									
COMMENT:EMAIL PREQ CHG					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 242	ORGANIC CHEM LAB Organic Chemistry Laboratory	AUT/2014 - AUT/9999	3.0		.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 9/02/14									
COMMENT:EMAIL PREQ CHG					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 291	STUDY ABROAD Study Abroad - Chemistry	SPR/2007 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	Y	.	.	.	.
					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	.	.	.	.
					LAST UPDT: 2/14/02 APPROVED: 2/14/97									
COMMENT:GENCAT PREREQ CHANGE														
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									

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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: 4/28/11		APPROVED:10/01/89							
COMMENT:CHANGE CREDITS					FEE TYPE:1		\$60.00 BUDGET:069318		REV OBJ CD:943081					
CHEM 321	QUANTITATIVE ANLYS Quantitative Analysis	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 4/28/11		APPROVED: 9/01/77							
COMMENT:CHG PREQ					FEE TYPE:1		\$60.00 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: 9/02/14		APPROVED: 9/01/77							
COMMENT:EMAIL PREREQ CHANGE					FEE TYPE:1		\$60.00 BUDGET:069318		REV OBJ CD:943081					
CHEM 347	H-ORG&QUAL ORGN LAB Organic and Qualitative Organic Honors Laboratory	WIN/2015 -	AUT/9999	3.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 9/02/14									
COMMENT:EMAIL PREQ CHG					FEE TYPE:1		\$60.00 BUDGET:069318		REV OBJ CD:943081					

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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:	9/14/12	APPROVED:	12/01/89		
						FEE TYPE:	1	\$60.00	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	SPR/2006 - AUT/9999	3.0	.	.	.	.	.	. Y	.	.	.	
		COMMENT:EMAIL PREREQ CHANGE							LAST UPDT:	3/14/06	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		
CHEM	426	INSTRUMENTAL ANLYS Instrumental Analysis	SPR/1992 - AUT/9999	3.0	.	.	.	. . Y	.	. Y	.	.	.	
									LAST UPDT:	10/23/13	APPROVED:	9/27/91		
						FEE TYPE:	3	\$60.00	BUDGET:	069318	REV OBJ CD:	943081		

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CHEM 428	BIOINSTRUMENT ANLYS Bioinstrumental Analysis	SPR/2009 -	AUT/9999	3.0	.	.	.	. . Y	.	. Y	.			.
COMMENT:CHG PREQ					LAST UPDT: 4/28/11 APPROVED:10/26/04 FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081									
CHEM 429	SEPARATION TECHS Chemical Separation Techniques	AUT/2009 -	AUT/9999	3.0	.	.	.	. . .	.	. Y	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED: 2/01/84									
CHEM 433	THEORETICAL ORGANIC THEORTCL ORGANIC CHMSTRY-PREDICTNS & EXPRMNTL TSTS	AUT/2009 -	AUT/9999	3.0	.	.	.	. . .	.	. Y	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED: 2/22/93									
CHEM 436	CHEMICAL BIOLOGY Chemical Biology	AUT/2014 -	AUT/9999	3.0	.	.	.	. . .	.	. Y	.			.
COMMENT:CHG TITLES, DESC					LAST UPDT: 3/19/14 APPROVED: 2/28/94									
CHEM 437	DNA & PROTEIN CHEM ORGANIC & BIOORGANIC CHEM NUCLEIC ACIDS IN PROTEIN	AUT/2009 -	AUT/9999	3.0	.	.	.	. . .	.	. Y	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 7/09/09 APPROVED: 2/28/92									
CHEM 452	PHYS CHEM BIO C I 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 BIO C II Physical Chemistry for Biochemists II	WIN/2000 -	AUT/9999	3.0	.	.	.	. . .	.	. Y	.			.
COMMENT:12-14 PREQ 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									

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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/2009 -	AUT/9999	3.0	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 7/09/09 APPROVED:12/01/83								
					COMMENT:EMAIL PREQ CHG								
CHEM 461	PHYS CHEM LAB Physical Chemistry Laboratory	SPR/2007 -	AUT/9999	3.0	.	.	.	Y	.	Y	.	.	.
					LAST UPDT: 4/28/11 APPROVED: 7/01/71								
					COMMENT:CHG CREDITS, PREQ								
					FEE TYPE:1 \$60.00 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	.	.
					LAST UPDT: 4/28/11								
					COMMENT:EMAIL PREREQ CHANGE								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
CHEM 463	SPECTRO TECHNIQUES Spectroscopic Techniques for Structural Identification	AUT/1980 -	AUT/9999	2.0	.	.	.	Y	.	Y	.	.	.
					LAST UPDT: 4/28/11 APPROVED:12/01/83								
					FEE TYPE:1 \$60.00 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: 4/28/11 APPROVED: 9/27/91								
					COMMENT:GENCAT PREREQ CHANGE								
					FEE TYPE:1 \$60.00 BUDGET:069318 REV OBJ CD:943081								
CHEM 465	COMPUTATIONAL CHEM Computations in Chemistry	WIN/2003 -	AUT/9999	3.0	.	.	.	Y	.	Y	.	.	.
					LAST UPDT: 4/28/11 APPROVED: 2/28/94								
					COMMENT:EMAIL PREREQ CHG								
					FEE TYPE:1 \$60.00 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								

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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	MATERIALS CHEMISTRY Materials Chemistry	SPR/2006 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/20/14		APPROVED: 2/24/06							
					COMMENT:WAS CHEM 364									
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	.	.	.	.
					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							

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DEPARTMENT: CHEMISTRY

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 M S T P	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
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 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: 0/00/00		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				ATM S 508			
					COMMENT:MOVE JT COLLEGE									
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									

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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 C M	W R	RESPONS COURSE	JOINT COURSES	O M I T
					MAX	P	D HYPH	M R E	P & 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 ORGANIC CHEM Advanced Organic Chemistry	AUT/1964	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 0/00/00				APPROVED: 2/01/80					
CHEM 531	ADV ORGANIC CHEM Advanced Organic Chemistry	SUM/1999	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/23/99									
					COMMENT:CHANGE DESCRIPTION									
CHEM 532	ADV ORGANIC CHEM Advanced Organic Chemistry	SUM/1999	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/23/99				APPROVED: 2/01/80					
					COMMENT:CHANGE DESCRIPTION									
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									

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COURSE					OVER D	D	S H F												
CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	-ALL U	GRD	E	S H F	L I	P & N	C	Q	T	RESPONS	JOINT			
						MAX	P	SYS	D	HYPH	M	R	E	A	COURSE	COURSES			
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	SPR/2005 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	MSE	560	MSE	560	.
						LAST UPDT: 8/24/04 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	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	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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COURSE						OVER D	D	S H F		L I	E C	Q T			
CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER	-ALL U	GRD	U N E	M R E	P & A	N C	M S	R G	RESPONS	JOINT
					CREDITS	MAX	SYS	D HY	PH					COURSE	COURSES
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/2006	- AUT/9999	1.0	18.0	.	CR/NC	.	.	.	.	.	CHEM 597	BIOEN 518
LAST UPDT: 9/21/06 APPROVED: 9/21/06															
CHEM	600	INDEPNDNT 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															