

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 87

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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 G	RESPONS COURSE	JOINT COURSES	O M I T
AMATH 301	BEG SCI COMPUTING Beginning Scientific Computing	AUT/2013 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/20/13 APPROVED: 2/23/96									
COMMENT:EMAIL PREQ CHG														
AMATH 351	DIFF EQUATIONS Introduction to Differential Equations and Applications	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 9/17/13									
COMMENT:CHG DESC														
AMATH 352	LINR ALG & NUM ANLY Applied Linear Algebra and Numerical Analysis	AUT/2000 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:12/27/99									
COMMENT:CHANGE COURSE DESCRIPT														
AMATH 353	PARTIAL DIFF EQNS Fourier Analysis and Partial Differential Equations	SPR/2000 -	WIN/2015	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/19/14 APPROVED:10/23/80									
COMMENT:PREREQ CHANGE														
AMATH 353	PRTL DIFF EQNS& WVS Partial Differential Equations and Waves	SPR/2015 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/19/14 APPROVED:10/23/80									
COMMENT:CHG TITLES, DESC														
AMATH 383	INTRODUCT MODELING Introduction to Continuous Mathematical Modeling	SPR/2000 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 1/14/00 APPROVED:12/06/93									
COMMENT:PREREQ CHANGE														
AMATH 401	VEC CAL COMPLEX VAR Vector Calculus and Complex Variables	AUT/2013 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 3/20/13 APPROVED: 2/28/94									
COMMENT:CHG PREQ, DESC														
AMATH 402	DYNAMCL SYSTS&CHAOS Introduction to Dynamical Systems and Chaos	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 9/14/09 APPROVED: 2/28/94									
COMMENT:CHG DESC														
AMATH 403	METHODS PAR DIFF EQ Methods for Partial Differential Equations	AUT/2013 -	WIN/2015	4.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/19/14									
COMMENT:EMAIL PREQ CHG														

REPORT: SR21010-R-01 K
PAGE: 88

DEPARTMENT: APPLIED MATHEMATICS						O V E R A L L	D I S C O N T R I B U T I O N	S H O W I N G	F U N D A M E N T A L	V A L U E	E L E M E N T A R Y	R E S P O N S E	J O I N T	M I N I M U M
COURSE CURRIC	NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	-ALL MAX	U P	GRD SYS	D E HYPH	S H F U N E M R E	P A S W T	L I N C M S N P R G	RESPONS COURSE	JOINT COURSES	
AMATH	403	METHODS PAR DIFF EQ Methods for Partial Differential Equations	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	. Y			.
					LAST UPDT: 8/19/14									
COMMENT:CHG DESC														
AMATH	422	COMP MODELS BIOLOGY Computational Modeling of Biological Systems	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	. Y			.
					LAST UPDT: 9/17/13 APPROVED: 1/24/96									
COMMENT:CHG DESC														
AMATH	423	MATH ANLYS BIO MED Mathematical Analysis in Biology and Medicine	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	. Y			.
					LAST UPDT:12/20/10 APPROVED: 1/24/96									
COMMENT:CHG TITLES, DESC														
AMATH	481	SCIENTIFIC COMPTG Scientific Computing	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.				.
					LAST UPDT: 8/20/13 APPROVED: 9/15/09									
COMMENT:EMAIL PREQ CHG														
AMATH	482	COMP METH DATA ANLY Computational Methods for Data Analysis	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	.				.
					LAST UPDT: 3/19/12 APPROVED: 9/15/09									
COMMENT:CHG PREQ														
AMATH	483	HI-PRFM SCI COMPG High-Performance Scientific Computing	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.				.
					LAST UPDT: 9/16/09 APPROVED: 9/15/09									
AMATH	490	SPECIAL TOPICS Special Topics	AUT/1999 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.				.
					LAST UPDT: 5/04/00 APPROVED: 2/22/99									
AMATH	498	SR PROJECT/THESIS Senior Project or Thesis	WIN/1999 - AUT/9999	1.0-06.0	6.0	.	.	.	.	.				.
					LAST UPDT: 5/29/98 APPROVED: 5/27/98									
AMATH	499	READING/RESEARCH Undergraduate Reading and Research	WIN/1999 - AUT/9999	1.0-06.0	6.0	.	CR/NC	.	.	.				.
					LAST UPDT: 5/29/98 APPROVED: 5/27/98									
AMATH	500	SPEC STDY APPL MATH Special Studies in Applied Mathematics	SPR/2011 - AUT/9999	0.0	24.0	Y	.	.	.	.				.
					LAST UPDT: 4/18/11 APPROVED: 1/01/86									
COMMENT:CHG MAX CREDITS														

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 89

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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
AMATH 501	VEC CAL COMPLEX VAR Vector Calculus and Complex Variables	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 9/15/09									
AMATH 502	INTRO DYN SYS & CH Introduction to Dynamical Systems and Chaos	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 9/15/09									
AMATH 503	METHODS PAR DIFF EQ Methods for Partial Differential Equations	AUT/2013 - WIN/2015	5.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/19/14 APPROVED: 9/15/09									
AMATH 503	METHODS PAR DIFF EQ Methods for Partial Differential Equations	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG DESC					LAST UPDT: 8/19/14 APPROVED: 9/15/09									
AMATH 504	MATHTCL EPIDLG Mathematical Epidemiology	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED:10/01/89									
AMATH 505	FLUID DYNAMICS Introduction to Fluid Dynamics	AUT/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	AMATH 505 ATM S 505	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/08/13 APPROVED:10/05/92 OCEAN 511									
AMATH 506	APPL PROB AND STATS Applied Probability Statistics	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	STAT 506 STAT 506	.	.
COMMENT:CHG TITLES, DESCRIP					LAST UPDT: 2/01/00 APPROVED:12/06/91									
AMATH 507	CAL VARIATIONS Calculus of Variations	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED:12/01/83									
AMATH 509	OPTIMAL CONTROL Theory of Optimal Control	SPR/1988 - AUT/9999	3.0	.	.	.	.	.	.	.	.	MATH 509 MATH 509	.	.
					LAST UPDT: 8/30/94 APPROVED: 5/30/86									

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 90

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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
AMATH 512	METH OF ENGR ANALYS Methods of Engineering Analysis	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	CHEM E512	CHEM E512	.
COMMENT:12-14 PREQ CHG					LAST UPDT: 7/23/12 APPROVED: 2/01/88									
AMATH 514	NETWORK OPTIMIZIN Networks and Combinatorial Optimization	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	MATH 514	MATH 514	.
COMMENT:CHG DESC, PREQ					LAST UPDT: 8/21/13 APPROVED: 5/30/86									
AMATH 515	FUNDAMNTL OPTIMIZTN Fundamentals of Optimization	AUT/1999 -	AUT/9999	5.0	.	.	.	.	.	.	.	MATH 515	MATH 515	.
					LAST UPDT:11/03/99 APPROVED: 3/28/94									
					IND E 515									
AMATH 516	NUMERICAL OPTIMIZTN Numerical Optimization	SPR/1986 -	AUT/9999	3.0	.	.	.	.	.	.	.	MATH 516	MATH 516	.
					LAST UPDT: 8/30/94 APPROVED: 5/30/86									
AMATH 517	OPTIMIZTN UNCERTNTY OPTIMIZATION UNDER UNCERTAINTY	AUT/1985 -	AUT/9999	3.0	.	.	.	.	.	.	.	AMATH 517	MATH 517	.
					LAST UPDT: 8/30/94 APPROVED: 6/01/85									
AMATH 521	SPEC TOPICS MATH BIO Special Topics in Mathematical Biology	WIN/2014 -	AUT/9999	5.0	15.0	.	.	.	.	.	.			.
COMMENT:CHG DESC					LAST UPDT:11/20/13 APPROVED: 1/30/92									
AMATH 522	INTRO MATH BIO Introduction to Mathematical Biology	AUT/2013 -	AUT/9999	5.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 9/15/09									
AMATH 523	8ATH ANALYS BIO &MED Mathematical Analysis in Biology and Medicine	AUT/2013 -	AUT/9999	5.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 9/15/09									
AMATH 524	MATH BIO: SPAT MODS Mathematical Biology: Spatiotemporal Models	AUT/2014 -	AUT/9999	5.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 2/13/14 APPROVED: 9/15/09									

REPORT: SR21010-R-01 K
PAGE: 91

DEPARTMENT: APPLIED MATHEMATICS						O M I T						
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 C M S N A S W T P R G	E E W L E C Q T N C M S N P R G	RESPONS COURSE	JOINT COURSES	
AMATH 525	MATH ANALYS BIO &MED MATHEMATICAL ANALYSIS IN BIOLOGY AND MEDICINE	SPR/2011 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/11		APPROVED:12/21/10						
AMATH 531	THEORY CELL DYNAM MATHEMATICAL THEORY OF CELLULAR DYNAMICS	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/07/14		APPROVED: 6/15/10						
COMMENT:EMAIL PREQ CHG												
AMATH 532	MATH GENOM MOL MED Mathematics of Genome Analysis and Molecular Modeling	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/20/13		APPROVED: 9/20/11						
COMMENT:EMAIL PREQ CHG												
AMATH 533	MOVEMENT CONTROL Neural Control of Movement: A Computational Perspective	WIN/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/03/11		APPROVED:12/21/10						
AMATH 534	NEURON DYNAMICS Dynamics of Neurons and Networks	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/20/13		APPROVED:12/21/10						
COMMENT:EMAIL PREQ CHG												
AMATH 535	MATH ECOLOGY Mathematical Ecology	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/20/13		APPROVED:12/31/10						
COMMENT:EMAIL PREQ CHG												
AMATH 536	SPATIAL MODELS Spatial Models in Ecology and Epidemiology	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/20/13		APPROVED:11/15/11						
COMMENT:EMAIL PREQ CHG												
AMATH 567	APPLIED ANALYSIS Applied Analysis	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/20/13								
COMMENT:EMAIL PREQ CHG												
AMATH 568	ADV METHODS ODE Advanced Methods for Ordinary Differential Equations	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/20/13		APPROVED: 6/07/79						
COMMENT:EMAIL PREQ CHG												

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 92

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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 & A	E E L C N C W T	W R Q T S N P R G	RESPONS COURSE	JOINT COURSES	O M I T
AMATH 569	ADV METHOD PDE Advanced Methods for Partial Differential Equations	AUT/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 8/20/13									
COMMENT:EMAIL PREQ CHG														
AMATH 570	ASYM PERT METH Asymptotic and Perturbation Methods	AUT/2004 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 3/29/04 APPROVED: 3/13/97									
COMMENT:CHG TITLES, DESCRIPTION														
AMATH 571	SPECTRAL METHODS SPECTRAL METHODS	WIN/2005 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 3/29/04 APPROVED: 3/13/97									
COMMENT:CHG TITLES, DESCRIPTION														
AMATH 572	INTRO APP STOCH Introduction to Applied Stochastic Analysis	AUT/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 8/20/13 APPROVED: 3/13/97									
COMMENT:EMAIL PREQ CHG														
AMATH 573	COH STR, PATRN & F&S Coherent Structures, Pattern Formation and Solitons	AUT/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 8/20/13 APPROVED: 3/29/04									
COMMENT:EMAIL PREQ CHG														
AMATH 574	CNSRV LAW/FINIT VOL Conservation Laws and Finite Volume Methods	WIN/2005 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT:11/04/04 APPROVED:10/25/04									
AMATH 575	DYNAMICAL SYSTEMS Dynamical Systems	AUT/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 8/20/13 APPROVED: 2/28/94									
COMMENT:EMAIL PREQ CHG														
AMATH 579	INTELLIGENT CONTROL Intelligent Control through Learning and Optimization	WIN/2014 - AUT/9999	3.0		.	.		.	.	.	.	AMATH 579 CSE	579	.
					LAST UPDT: 3/31/14 APPROVED: 2/16/10									
COMMENT:CHG DESC														
AMATH 581	SCIENTIFIC COMPUTING Scientific Computing	AUT/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
					LAST UPDT: 8/20/13 APPROVED: 1/24/96									
COMMENT:EMAIL PREQ CHG														

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 93

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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 M S N T P R G	RESPONS COURSE	JOINT COURSES	O M I T
AMATH 582	COMP METH DATA ANLY Computational Methods for Data Analysis	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.			.
					LAST UPDT: 8/20/13		APPROVED: 9/15/09						
COMMENT:EMAIL PREQ CHG													
AMATH 583	HI-PRFM SCI COMPG High-Performance Scientific Computing	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.			.
					LAST UPDT: 8/20/13		APPROVED: 9/15/09						
COMMENT:EMAIL PREQ CHG													
AMATH 584	APPL LINEAR ALGEBRA Applied Linear Algebra and Introductory Numerical Analysis	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.	AMATH 584 MATH	584	.
					LAST UPDT: 8/20/13		APPROVED: 6/07/79						
COMMENT:EMAIL PREQ CHG													
AMATH 585	BOUNDARY VALUE PROBS Numerical Analysis of Boundary Value Problems	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.	AMATH 585 MATH	585	.
					LAST UPDT: 8/20/13		APPROVED: 6/07/79						
COMMENT:EMAIL PREQ CHG													
AMATH 586	TIME DEPNDT PROBS Numerical Analysis of Time Dependent Problems	SPR/2014 - AUT/9999	5.0		.	.	.	.	.	.	AMATH 586 MATH	586	.
					LAST UPDT:10/31/13		APPROVED: 6/07/79		ATM S 581				
COMMENT:EMAIL PREQ CHG													
AMATH 590	SPECIAL TOPICS Special Topics	AUT/2013 - AUT/9999	1.0-05.0	30.0	.	.	.	.	.	.			.
					LAST UPDT: 6/05/13		APPROVED: 6/04/13						
AMATH 594	SPCL TPCS NUM ANLYS SPECIAL TOPICS IN NUMERICAL ANALYSIS	AUT/1994 - AUT/9999	2.0-03.0	15.0	Y	.	.	.	.	.	MATH 594 MATH	594	.
					LAST UPDT: 9/22/94		APPROVED:11/01/84						
AMATH 595	SPCL TPCS NUM ANLYS SPECIAL TOPICS IN NUMERICAL ANALYSIS	AUT/1994 - AUT/9999	2.0-03.0	15.0	Y	.	.	.	.	.	MATH 595 MATH	595	.
					LAST UPDT: 9/22/94		APPROVED:11/01/84						
AMATH 596	SPEC TPCS NUM ANLYS SPECIAL TOPICS IN NUMERICAL ANALYSIS	AUT/1994 - AUT/9999	2.0-03.0	15.0	Y	.	.	.	.	.	MATH 596 MATH	596	.
					LAST UPDT: 9/22/94		APPROVED:11/01/84						
AMATH 600	INDEPN DNT RSCH/STDY Independent Research or Study	WIN/1977 - AUT/9999	0.0	999.0	.	CR/NC	.	11	.	.			.
					LAST UPDT: 4/19/10		APPROVED: 6/01/81						

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 94

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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 E C M S T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
AMATH 700	MASTERS THESIS Master's Thesis	AUT/1976 -	AUT/9999	0.0	999.0	. CR/NC	. 11	. . .					.
LAST UPDT: 4/19/10 APPROVED: 6/01/81													
AMATH 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/1976 -	AUT/9999	0.0	999.0	. CR/NC	. 11	. . .					.
LAST UPDT: 4/19/10 APPROVED: 6/01/81													

DATE: 10-06-2014
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 95

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D D S H F L I E E W										RESPONS	JOINT	O
						-ALL MAX	U P	GRD SYS	E D	HYPH	U M	N R	E E	P A	& S			
CFRM	460	MATH METHODS FOR QF Mathematical Methods for Quantitative Finance	SPR/2014 - SUM/2016	3.0		.	.	.	.	.	.	.	Y	.	Y	.	.	
						LAST UPDT: 9/26/13 APPROVED:12/18/12												
COMMENT:INITIAL DL, WAS AMATH 460																		
CFRM	460	MATH METHODS FOR QF Mathematical Methods for Quantitative Finance	AUT/2016 - AUT/9999	3.0		.	.	.	.	.	.	.	Y	.	Y	.	.	
						LAST UPDT: 9/26/13 APPROVED:12/18/12												
COMMENT:END INITIAL DL																		
CFRM	461	COMP FIN PROB STATS Probability and Statistics for Computational Finance	SPR/2014 - AUT/2016	3.0		.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/26/13 APPROVED: 3/19/13												
COMMENT:INITAL DL, WAS AMATH 461																		
CFRM	461	COMP FIN PROB STATS Probability and Statistics for Computational Finance	WIN/2017 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/26/13 APPROVED: 3/19/13												
COMMENT:END INITIAL DL																		
CFRM	462	INTRO CMPFIN/FINECN Introduction to Computational Finance and Financial	SPR/2014 - AUT/2015	5.0		.	.	.	.	.	.	.	.	.	.	.	.	
						Econometrics LAST UPDT: 9/26/13 APPROVED: 4/19/11												
COMMENT:WAS AMATH 462, INITIAL DL																		
CFRM	462	INTRO CMPFIN/FINECN Introduction to Computational Finance and Financial	WIN/2016 - AUT/9999	5.0		.	.	.	.	.	.	.	.	.	.	.	.	
						Econometrics LAST UPDT: 9/26/13 APPROVED: 4/19/11												
COMMENT:END INITIAL DL																		
CFRM	463	R PROG FOR QUANTFIN R Programming for Quantitative Finance	AUT/2014 - WIN/2017	1.0		.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 3/19/14 APPROVED: 3/19/13												
COMMENT:CHG CREDITS																		
CFRM	463	R PROG FOR QUANTFIN R Programming for Quantitative Finance	SPR/2017 - AUT/9999	2.0		.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 9/26/13 APPROVED: 3/19/13												
COMMENT:END INITIAL DL																		
CFRM	500	SPEC STDY COMP FIN Special Studies in Computational Finance and Risk Management	WIN/2014 - AUT/9999	1.0-06.0	18.0	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 2/20/14 APPROVED: 2/18/14												

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

DEPARTMENT: APPLIED MATHEMATICS													
COURSE	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	E E L C M S	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
CFRM	510 SQL/VBA FOR FINANCE Financial Data Access and Analysis with SQL, VBA, and Excel	SPR/2014 - SPR/2017	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 3/19/13							
COMMENT:INITIAL DL, WAS AMATH 510													
CFRM	510 SQL/VBA FOR FINANCE Financial Data Access and Analysis with SQL, VBA, and Excel	SUM/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 3/19/13							
COMMENT:END INITIAL DL													
CFRM	540 COMPFIN CAP MARKETS Capital Markets and Data for Computational Finance	AUT/2014 - WIN/2017	1.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/14		APPROVED: 3/19/13							
COMMENT:CHG CREDITS													
CFRM	540 COMPFIN CAP MARKETS Capital Markets and Data for Computational Finance	SPR/2017 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 3/19/13							
COMMENT:END INITIAL DL													
CFRM	541 INVESTMENT SCIENCE Investment Science	SPR/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/07/14		APPROVED: 6/21/11							
COMMENT:WAS AMATH 541, PERM DL													
CFRM	542 FIN DATA MODELING Financial Data Modeling and Analysis in R	SPR/2014 - SPR/2015	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 9/20/11							
COMMENT:INITIAL DL, WAS AMATH 542													
CFRM	542 FIN DATA MODELING Financial Data Modeling and Analysis in R	SUM/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 9/20/11							
COMMENT:END INITIAL DL													
CFRM	543 PORTFOLIO OPT Portfolio Optimization and Asset Management	SPR/2014 - SUM/2015	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 2/28/12							
COMMENT:INITIAL DL, WAS AMATH 543													
CFRM	543 PORTFOLIO OPT Portfolio Optimization and Asset Management	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/26/13		APPROVED: 2/28/12							
COMMENT:END INITIAL DL													

REPORT: SR21010-R-01 K
PAGE: 97

DEPARTMENT: APPLIED MATHEMATICS						O V E R A L L	D U N D O W N	S H O U L D	F U N C T I O N	V P A S	L I N K	E E C M S	R Q T P R G			
COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U N D O W N	G R D S Y S	D E H Y P H	S H O U L D	F U N C T I O N	V P A S	L I N K	E E C M S	R Q T P R G	RESPONS COURSE	JOINT COURSES	M I T
CFRM 544	OTHER DERIVATIVES Options and Other Derivatives	SPR/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:WAS AMATH 544, PERM DL			LAST UPDT: 4/30/14		APPROVED: 6/21/11										
CFRM 545	FIN RISK MGMT I Financial Risk Management I	SPR/2014 - SPR/2015	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:INITIAL DL, WAS AMATH 545			LAST UPDT: 4/30/14		APPROVED: 9/20/11										
CFRM 545	FIN RISK MGMT I Financial Risk Management I	SUM/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:END INITIAL DL			LAST UPDT: 2/11/14		APPROVED: 9/20/11										
CFRM 546	RISK MANAGEMENT Financial Risk Management II	SPR/2014 - SUM/2015	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:INITIAL DL, WAS AMATH 546			LAST UPDT: 9/26/13		APPROVED: 2/28/12										
CFRM 546	RISK MANAGEMENT Financial Risk Management II	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:END INITIAL DL			LAST UPDT: 9/26/13		APPROVED: 2/28/12										
CFRM 547	CREDIT RISK MGMT Credit Risk Management	SPR/2014 - WIN/2016	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:INITAL DL, WAS AMATH 547			LAST UPDT: 9/26/13		APPROVED: 6/19/12										
CFRM 547	CREDIT RISK MGMT Credit Risk Management	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:END INITIAL DL			LAST UPDT: 9/26/13		APPROVED: 6/19/12										
CFRM 548	MONTECARLO MTHD FIN Monte Carlo Methods in Finance	SPR/2014 - WIN/2016	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:INITAL DL, WAS AMATH 548			LAST UPDT: 9/26/13		APPROVED: 6/19/12										
CFRM 548	MONTECARLO MTHD FIN Monte Carlo Methods in Finance	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:END INITIAL DL			LAST UPDT: 9/26/13		APPROVED: 6/19/12										

REPORT: SR21010-R-01 K
PAGE: 98

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CFRM	551	TRADING SYSTEMS Introduction to Trading Systems	SPR/2014 - AUT/9999	4.0	.	.	
		COMMENT:WAS AMATH 551, PERM DL			LAST UPDT:	3/07/14	APPROVED: 4/19/11
CFRM	552	PORTFOLIO PERFORM Portfolio Performance Analysis and Benchmarking	SUM/2014 - AUT/9999	4.0	.	.	
		COMMENT:PERM DL; CHNG CREDITS			LAST UPDT:	3/19/14	APPROVED: 6/21/11
CFRM	553	FIN FORCAST METHOD Financial Time Series Forecasting Methods	AUT/2014 - SPR/2015	4.0	.	.	
		COMMENT:CHG CREDITS			LAST UPDT:	3/19/14	APPROVED: 9/20/11
CFRM	553	FIN FORCAST METHOD Financial Time Series Forecasting Methods	SUM/2015 - AUT/9999	2.0	.	.	
		COMMENT:END INITIAL DL			LAST UPDT:	9/26/13	APPROVED: 9/20/11
CFRM	554	ENDOW INVEST MGMT Endowment and Institutional Investment Management	AUT/2014 - SUM/2015	4.0	.	.	
		COMMENT:CHG CREDIT			LAST UPDT:	3/19/14	APPROVED: 2/28/12
CFRM	554	ENDOW INVEST MGMT Endowment and Institutional Investment Management	AUT/2015 - AUT/9999	2.0	.	.	
		COMMENT:END INITIAL DL			LAST UPDT:	9/26/13	APPROVED: 2/28/12
CFRM	555	OPTIMIZATN MTHD FIN Optimization Methods in Finance	SPR/2014 - WIN/2016	4.0	.	.	
		COMMENT:INITIAL DL, WAS AMATH 555			LAST UPDT:	9/26/13	APPROVED: 6/19/12
CFRM	555	OPTIMIZATN MTHD FIN Optimization Methods in Finance	SPR/2016 - AUT/9999	4.0	.	.	
		COMMENT:END INITIAL DL			LAST UPDT:	9/26/13	APPROVED: 6/19/12
CFRM	556	COMP FIN STAT MODEL Statistical Modeling for Computational Finance	SPR/2014 - WIN/2017	4.0	.	.	
		COMMENT:INITIAL DL, WAS AMATH 556			LAST UPDT:	9/26/13	APPROVED: 3/19/13

REPORT: SR21010-R-01 K
PAGE: 99

DEPARTMENT: APPLIED MATHEMATICS						O V E R A L L	D U N D O W N	S H I P S T A B I L I T Y	F U N C T I O N A L	V A L U E	E C O N O M I C	E N V I R O N M E N T	R E S P O N S E	J O I N T	M I N I M U M
COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U N D O W N	G R A D U A T E	S H I P S T A B I L I T Y	F U N C T I O N A L	V A L U E	E C O N O M I C	E N V I R O N M E N T	R E S P O N S E	J O I N T	M I N I M U M	
CFRM 556	COMP FIN STAT MODEL Statistical Modeling for Computational Finance	SPR/2017 - AUT/9999	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 9/26/13		APPROVED: 3/19/13									
COMMENT:END INITIAL DL															
CFRM 557	C++ Financial Software Development and Integration with C++	SPR/2014 - SPR/2016	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 9/26/13		APPROVED:12/18/12									
COMMENT:INITIAL DL, WAS AMATH 557															
CFRM 557	C++ Financial Software Development and Integration with C++	SUM/2016 - AUT/9999	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 9/26/13		APPROVED:12/18/12									
COMMENT:END INITIAL DL															
CFRM 558	FIXEDINCOME ANALYTIC Fixed Income Analytics and Portfolio Management	SPR/2014 - WIN/2017	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 9/26/13		APPROVED: 3/19/13									
COMMENT:INITIAL DL, WAS AMATH 558															
CFRM 558	FIXEDINCOME ANALYTIC Fixed Income Analytics and Portfolio Management	SPR/2017 - AUT/9999	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 9/26/13		APPROVED: 3/19/13									
COMMENT:END INITIAL DL															
CFRM 559	STOCH CALC-QUAN FIN Stochastic Calculus for Quantitative Finance	SUM/2014 - AUT/2017	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 2/11/14		APPROVED: 6/04/13									
COMMENT:INITIAL DL, WAS AMATH 559															
CFRM 559	STOCH CALC-QUAN FIN Stochastic Calculus for Quantitative Finance	WIN/2018 - AUT/9999	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT: 2/11/14		APPROVED: 6/04/13									
COMMENT:END INITIAL DL															
CFRM 560	AS MODELS & EST Actuarial Models and Estimation	SPR/2014 - SUM/2017	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT:10/16/13		APPROVED:10/15/13									
COMMENT:INITIAL DL															
CFRM 560	AS MODELS & EST Actuarial Models and Estimation	AUT/2017 - AUT/9999	4.0	.	.		.	.	.	.	.	.	.	.	
				LAST UPDT:10/16/13		APPROVED:10/15/13									
COMMENT:END INITIAL DL															

REPORT: SR21010-R-01 K
PAGE: 100