

DATE: 07-03-2017
 TIME: 20:10:32

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

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E W												RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U MAX	GRD P	E SYS	D HYPH	U N E M R E	P & A	N S W	C T P	M S N P R G						
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 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 and Statistics	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	STAT 506	STAT 506	
	COMMENT:CHG TITLES, DESCRIP			LAST UPDT: 3/22/16 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 512	METH OF ENGR ANALYS Methods of Engineering Analysis	AUT/2012 - SUM/2017	3.0	.	.	.	.	.	.	.	.	.	.	.	.	CHEM E512	CHEM E512	
	COMMENT:12-14 PREQ CHG			LAST UPDT: 6/29/17 APPROVED: 5/14/97														
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	IND E 515	
				LAST UPDT: 3/22/16 APPROVED: 3/28/94													MATH 515	
AMATH 516	NUMERICAL OPTIMIZTN Numerical Optimization	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	MATH 516	MATH 516	
				LAST UPDT:10/15/15 APPROVED: 6/27/85														
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														

DATE: 07-03-2017
TIME: 20:10:32

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

CURRIC	NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W						RESPONS	JOINT	O			
						-ALL	U		GRD	E	U	N	E	P	&	N	C				M	S	N
AMATH	518	OPTIMAL CONTROL Theory of Optimal Control	AUT/2016 -	AUT/9999	3.0	MATH	518	MATH	518	.
						LAST UPDT: 10/22/15		APPROVED: 6/27/85															
AMATH	521	SPEC TOPICS MATH BIO Special Topics in Mathematical Biology	WIN/2014 -	AUT/9999	5.0	15.0	
						LAST UPDT: 11/20/13		APPROVED: 1/30/92															
						COMMENT:CHG DESC																	
AMATH	522	COMP MODELS BIOLOGY Computational Modeling of Biological Systems	SPR/2016 -	AUT/9999	5.0	
						LAST UPDT: 2/29/16		APPROVED: 9/15/09															
AMATH	523	MATH ANLYS BIO &MED Mathematical Analysis in Biology and Medicine	AUT/2013 -	AUT/9999	5.0	
						LAST UPDT: 1/23/15		APPROVED: 9/15/09															
						COMMENT:EMAIL PREQ CHG																	
AMATH	524	MATH BIO: SPAT MODS Mathematical Biology: Spatiotemporal Models	AUT/2014 -	AUT/9999	5.0	
						LAST UPDT: 2/13/14		APPROVED: 9/15/09															
						COMMENT:EMAIL PREQ CHG																	
AMATH	525	MATH ANLYS 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: 1/07/15		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	AMATH	533	CSE	529	.
						LAST UPDT: 1/03/11		APPROVED: 12/21/10															
AMATH	534	NEURON DYNAMICS Dynamics of Neurons and Networks	SPR/2016 -	AUT/9999	5.0	
						LAST UPDT: 12/30/15		APPROVED: 12/21/10															

DATE: 07-03-2017
 TIME: 20:10:32

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 NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E E W												RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D	HYPH	M R E			
AMATH 573	COH STR, PATRN & F&S Coherent Structures, Pattern Formation and Solitons	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 3/29/04														.
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 2/28/94														.
AMATH 581	SCIENTIFIC COMPUTING Scientific Computing	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 1/24/96														.
AMATH 582	COMP METH DATA ANLY Computational Methods for Data Analysis	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 9/15/09														.
AMATH 583	HI-PRFM SCI COMPG High-Performance Scientific Computing	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 9/15/09														.
AMATH 584	APPL LINEAR ALGEBRA Applied Linear Algebra and Introductory Numerical Analysis	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	AMATH 584 MATH 584
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 6/07/79														.
AMATH 585	BOUNDARY VALUE PROBS Numerical Analysis of Boundary Value Problems	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	AMATH 585 MATH 585
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13 APPROVED: 6/07/79														.
AMATH 586	TIME DEPNDT PROBS Numerical Analysis of Time Dependent Problems	SPR/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	AMATH 586 MATH 586
	COMMENT:EMAIL PREQ CHG			LAST UPDT:10/31/13 APPROVED: 6/07/79													ATM S 581	.

DATE: 07-03-2017
 TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 96

COLLEGE : C - Arts & Sciences
 DEPARTMENT: APPLIED MATHEMATICS

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	& N	C				M	S	N
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: 3/22/16		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: 3/22/16		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: 3/22/16		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											
AMATH 601	INTERNSHIP Internship	AUT/2015 - AUT/9999	1.0-10.0	30.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/18/15		APPROVED: 3/17/15											
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: 07-03-2017
 TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 97

COLLEGE : C - Arts & Sciences
 DEPARTMENT: APPLIED MATHEMATICS

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	& N	C				M	S	N
CFRM 405	MATH METHODS FOR QF Mathematical Methods for Quantitative Finance	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	Y	.	.	.
																	LAST UPDT: 3/02/17 APPROVED:12/18/12
CFRM 410	COMP FIN PROB STATS Probability and Statistics for Computational Finance	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 3/02/17 APPROVED: 3/19/13
CFRM 415	INTRO FIN MARKETS Introduction to Financial Markets	SUM/2017 - AUT/2020	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 3/02/17 APPROVED: 2/21/17
CFRM 415	INTRO FIN MARKETS Introduction to Financial Markets	WIN/2021 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 3/02/17 APPROVED: 2/21/17
CFRM 420	INTRO CMPFIN/FINECN Introduction to Computational Finance and Financial	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 3/02/17 APPROVED: 4/19/11
CFRM 425	R PROG FOR QUANTFIN R Programming for Quantitative Finance	AUT/2017 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 5/03/17 APPROVED: 3/19/13
CFRM 460	MATH METHODS FOR QF Mathematical Methods for Quantitative Finance	AUT/2016 - SUM/2017	3.0	.	.	.	.	.	.	.	Y	.	Y	.	.	.
																	LAST UPDT: 5/11/17 APPROVED:12/18/12
	COMMENT:END INITIAL DL																
CFRM 461	COMP FIN PROB STATS Probability and Statistics for Computational Finance	WIN/2017 - SUM/2017	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 3/02/17 APPROVED: 3/19/13
	COMMENT:END INITIAL DL																
CFRM 462	INTRO CMPFIN/FINECN Introduction to Computational Finance and Financial	WIN/2016 - SUM/2017	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 3/02/17 APPROVED: 4/19/11
	COMMENT:END INITIAL DL																
CFRM 463	R PROG FOR QUANTFIN R Programming for Quantitative Finance	SPR/2017 - SUM/2017	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 5/04/17 APPROVED: 3/19/13
	COMMENT:END INITIAL DL																

DATE: 07-03-2017
TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 98

COLLEGE : C - Arts & Sciences
DEPARTMENT: APPLIED MATHEMATICS

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				
CFRM 500	SPEC STDY COMP FIN Special Studies in Computational Finance and Risk Management	WIN/2014 - AUT/9999	1.0-06.0	18.0	.	.	.	.	.	.	.	.	.	.	.	.

COMMENT:END INITIAL DL

DATE: 07-03-2017
 TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 99

COLLEGE : C - Arts & Sciences
 DEPARTMENT: APPLIED MATHEMATICS

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T			
				-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N
CFRM 520	C++ Financial Software Development and Integration with C++	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 12/18/12														
CFRM 521	MACHINE LRN FINANCE Machine Learning for Finance	AUT/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/04/17		APPROVED: 1/17/17														
CFRM 521	MACHINE LRN FINANCE Machine Learning for Finance	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/04/17		APPROVED: 1/17/17														
CFRM 522	TRADING SYSTEMS Introduction to Trading Systems	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 4/19/11														
CFRM 523	ADV TRADING SYSTEMS Advanced Trading Systems	SUM/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/20/17		APPROVED: 1/17/17														
CFRM 523	ADV TRADING SYSTEMS Advanced Trading Systems	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/20/17		APPROVED: 1/17/17														
CFRM 530	FIXEDINCOME ANALYTIC Fixed Income Analytics and Portfolio Management	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 3/19/13														
CFRM 531	PORTFOLIO PERFORM Portfolio Performance Analysis and Benchmarking	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/21/11														
CFRM 532	ENDOW INVEST MGMT Endowment and Institutional Investment Management	AUT/2017 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 2/28/12														
CFRM 540	FIN RISK MGMT I Financial Risk Management I	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 9/20/11														
CFRM 541	INVESTMENT SCI II Investment Science II	AUT/2015 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/21/11														

COMMENT:CHG TITLES, DESC, PREQ

DATE: 07-03-2017
 TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 100

COLLEGE : C - Arts & Sciences
 DEPARTMENT: APPLIED MATHEMATICS

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T			
				-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N
CFRM 541	RISK MANAGEMENT Financial Risk Management II	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 2/28/12														
CFRM 542	FIN DATA MODELING Financial Data Modeling and Analysis in R	WIN/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 9/20/11														
CFRM 542	CREDIT RISK MGMT Credit Risk Management	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/19/12														
CFRM 543	PORTFOLIO OPT Portfolio Optimization and Asset Management	WIN/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 2/28/12														
CFRM 544	OTHER DERIVATIVES Options and Other Derivatives	SPR/2014 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS AMATH 544, PERM DL			LAST UPDT: 4/25/17		APPROVED: 6/21/11														
CFRM 545	FIN RISK MGMT I Financial Risk Management I	WIN/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 9/20/11														
CFRM 546	RISK MANAGEMENT Financial Risk Management II	WIN/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 2/28/12														
CFRM 547	CREDIT RISK MGMT Credit Risk Management	SPR/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 4/28/17		APPROVED: 6/19/12														
CFRM 548	MONTECARLO MTHD FIN Monte Carlo Methods in Finance	SPR/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 3/02/17		APPROVED: 6/19/12														
CFRM 550	STOCH CALC-QUAN FIN Stochastic Calculus for Quantitative Finance	AUT/2017 - AUT/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/04/13														

DATE: 07-03-2017
 TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 101

COLLEGE : C - Arts & Sciences
 DEPARTMENT: APPLIED MATHEMATICS

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 & A	N C M S N	E C Q T									
CFRM 550	STOCH CALC-QUAN FIN Stochastic Calculus for Quantitative Finance	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/04/13													
CFRM 551	TRADING SYSTEMS Introduction to Trading Systems	SPR/2014 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS AMATH 551, PERM DL			LAST UPDT: 3/02/17		APPROVED: 4/19/11													
CFRM 552	PORTFOLIO PERFORM Portfolio Performance Analysis and Benchmarking	SUM/2014 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PERM DL; CHNG CREDITS			LAST UPDT: 3/02/17		APPROVED: 6/21/11													
CFRM 553	FIN FORCAST METHOD Financial Time Series Forecasting Methods	SUM/2015 - SUM/2017	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 3/02/17		APPROVED: 9/20/11													
CFRM 554	ENDOW INVEST MGMT Endowment and Institutional Investment Management	WIN/2016 - SUM/2017	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 2/28/12													
CFRM 555	OPTIMIZATN MTHD FIN Optimization Methods in Finance	SPR/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 5/11/17		APPROVED: 6/19/12													
CFRM 557	C++ Financial Software Development and Integration with C++	SUM/2016 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 3/02/17		APPROVED:12/18/12													
CFRM 558	FIXEDINCOME ANALYTIC Fixed Income Analytics and Portfolio Management	SPR/2017 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 3/02/17		APPROVED: 3/19/13													
CFRM 559	STOCH CALC-QUAN FIN Stochastic Calculus for Quantitative Finance	SUM/2014 - SUM/2017	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/04/13													

