

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 102

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 423	MATH ANLYS BIO MED Mathematical Analysis in Biology and Medicine	WIN/2019 - AUT/9999	3.0	Y
				LAST UPDT: 6/21/18		APPROVED: 1/24/96												
AMATH 481	SCIENTIFIC COMPTG Scientific Computing	WIN/2019 - AUT/9999	5.0
				LAST UPDT: 5/29/18		APPROVED: 9/15/09												
AMATH 482	COMP METH DATA ANLY Computational Methods for Data Analysis	WIN/2016 - AUT/9999	5.0
				LAST UPDT: 11/16/15		APPROVED: 9/15/09												
AMATH 483	HI-PRFM SCI COMPG High-Performance Scientific Computing	WIN/2019 - AUT/9999	5.0
				LAST UPDT: 6/21/18		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/2017 - AUT/9999	0.0	25.0	Y
				LAST UPDT: 7/06/17		APPROVED: 1/01/86												
AMATH 501	VEC CAL COMPLEX VAR Vector Calculus and Complex Variables	AUT/2013 - AUT/9999	5.0
				LAST UPDT: 8/20/13		APPROVED: 9/15/09												
				COMMENT:EMAIL PREQ CHG														
AMATH 502	INTRO DYN SYS & CH Introduction to Dynamical Systems and Chaos	AUT/2013 - AUT/9999	5.0
				LAST UPDT: 8/20/13		APPROVED: 9/15/09												
				COMMENT:EMAIL PREQ CHG														

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 104

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 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	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 1/23/15		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											
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 1/07/15		APPROVED: 6/15/10											
AMATH 532	MATH GENOM MOL MED Mathematics of Genome Analysis and Molecular Modeling	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13		APPROVED: 9/20/11											
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											
AMATH 535	MATH ECOLOGY Mathematical Ecology	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13		APPROVED:12/31/10											
AMATH 536	MTH MODEL OF CANCER Mathematical Modeling of Cancer	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/24/18		APPROVED: 1/23/18											

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 105

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						
AMATH 561	INTR PROB RNDM PROC Introduction to Probability and Random Processes	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/27/17		APPROVED: 6/06/17											
AMATH 562	ADV STOCH PROCESSES Advanced Stochastic Processes	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/27/17		APPROVED: 6/06/17											
AMATH 563	INFR STR CMLPX SYS Inferring Structure of Complex Systems	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/22/17		APPROVED: 9/19/17											
AMATH 567	APPL COMPLEX ANYLS Applied Complex Analysis	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15													
AMATH 568	ADV METHODS ODE Advanced Methods for Ordinary Differential Equations	WIN/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC			LAST UPDT:12/16/14		APPROVED: 6/07/79											
AMATH 569	ADV METHOD PDE Advanced Methods for Partial Differential Equations	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 8/20/13													
AMATH 570	APPRX SPECTRL MTHDS Approximation Theory and Spectral Methods	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 3/13/97											
AMATH 571	INTELLIGENT CONTROL Intelligent Control through Learning and Optimization	WIN/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	AMATH 571 CSE	579	.
				LAST UPDT: 2/26/16		APPROVED: 2/16/10											
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											

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 107

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			
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: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 108

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 & A	N S	C W	M T	S P	R G			
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	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/16/17		APPROVED: 3/19/13											
CFRM 415	INTRO FIN MARKETS Introduction to Financial Markets	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 10/25/17		APPROVED: 2/21/17											
CFRM 420	INTRO CMPFIN/FINECN Introduction to Computational Finance and Financial Econometrics	SUM/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/16/17		APPROVED: 4/19/11											
CFRM 421	MACHINE LRN FINANCE Machine Learning for Finance	AUT/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/17/19		APPROVED: 4/16/19											
CFRM 422	TRADING SYSTEMS Introduction to Trading Systems	AUT/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/19		APPROVED: 3/19/19											
CFRM 425	R PROG FOR QUANTFIN R Programming for Quantitative Finance	SUM/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/16/17		APPROVED: 3/19/13											
CFRM 430	FIXED INCOME Fixed Income Analytics	AUT/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 3/21/19		APPROVED: 3/19/19											
CFRM 442	CREDIT RISK MGMT Credit Risk Management	AUT/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 3/21/19		APPROVED: 3/19/19											
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											
CFRM 501	INVESTMENT SCI Investment Science	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/21/11											

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 109

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			
CFRM 502	FIN DATA SCIENCE Financial Data Science	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/18/17		APPROVED: 9/20/11											
CFRM 503	ASSET ALLOCATION Asset Allocation and Portfolio Management	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/22/17		APPROVED: 2/28/12											
CFRM 504	OTHER DERIVATIVES Options and Other Derivatives	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/21/11											
CFRM 505	MONTECARLO MTHD FIN Monte Carlo Methods in Finance	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/29/17		APPROVED: 6/19/12											
CFRM 506	SQL/VBA FOR FINANCE Financial Data Access and Analysis with SQL, VBA, and Excel	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/18		APPROVED: 3/19/13											
CFRM 507	OPTIMIZATN MTHD FIN Optimization Methods in Finance	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/03/17		APPROVED: 6/19/12											
CFRM 509	ETHICS IN FINANCE Ethics in the Finance Profession	WIN/2018 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 1/17/17											
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	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		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	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/28/17		APPROVED: 1/17/17											

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 110

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			
CFRM 524	ADV C++ FOR FINANCE Advanced C++ for Finance	SPR/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/18		APPROVED: 3/20/18											
CFRM 525	FINTECH BLKCHN CRYPT FinTech, Blockchains, and Cryptocurrencies	WIN/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/18		APPROVED:10/16/18											
CFRM 530	FIXED INCOME Fixed Income Analytics	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/16/17		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	RISK FIN INSTITUTION Risk in Financial Institutions	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/22/17		APPROVED: 9/20/11											
CFRM 541	QUANT RISK MGMT Quantitative Risk Management	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/22/17		APPROVED: 2/28/12											
CFRM 542	CREDIT RISK MGMT Credit Risk Management	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 6/19/12											
CFRM 550	STOCH CALC-QUAN FIN Stochastic Calculus for Quantitative Finance	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/18		APPROVED: 6/04/13											
CFRM 580	ENGY MKTS DERIV Energy Markets Analytics and Derivatives	SUM/2017 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/28/17		APPROVED: 1/17/17											
CFRM 586	FIN FORCAST METHOD Financial Time Series Forecasting Methods	AUT/2017 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/02/17		APPROVED: 9/20/11											

DATE: 07-08-2019
 TIME: 20:10:04

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 111

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	COURSE	COURSES	M
CFRM 590	SPECIAL TOPICS Special Topics	AUT/2017 -	AUT/9999	1.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/24/17 APPROVED: 1/17/17																		
CFRM 600	INDEPN DNT RSCH/STDY Independent Research or Study	WIN/2014 -	AUT/9999	1.0-06.0	18.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/20/14 APPROVED: 2/18/14																		
CFRM 601	INTERNSHIP Internship	WIN/2014 -	AUT/9999	1.0-06.0	30.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/20/14 APPROVED: 2/18/14																		
CFRM 700	MASTERS THESIS Master's Thesis	WIN/2014 -	AUT/9999	1.0-06.0	18.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/20/14 APPROVED: 2/18/14																		