

DATE: 10-12-2015
TIME: 20:10:03

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DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
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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	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 2/23/96									
AMATH 342	NEURAL CODE COMPUTE Introduction to Neural Coding and Computation	WIN/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/23/15 APPROVED: 6/02/15									
AMATH 351	DIFF EQUATIONS Introduction to Differential Equations and Applications	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:CHG DESC					LAST UPDT: 9/17/13									
AMATH 352	LINR ALG & NUM ANLY Applied Linear Algebra and Numerical Analysis	AUT/2000 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:12/27/99									
AMATH 353	PRTL DIFF EQNS& WVS Partial Differential Equations and Waves	SPR/2015 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 8/19/14 APPROVED:10/23/80									
AMATH 383	INTRODUCT MODELING Introduction to Continuous Mathematical Modeling	SPR/2000 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:PREREQ CHANGE					LAST UPDT: 1/14/00 APPROVED:12/06/93									
AMATH 401	VEC CAL COMPLEX VAR Vector Calculus and Complex Variables	AUT/2013 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:CHG PREQ, DESC					LAST UPDT: 3/20/13 APPROVED: 2/28/94									
AMATH 402	DYNAMCL SYSTS&CHAOS Introduction to Dynamical Systems and Chaos	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:CHG DESC					LAST UPDT: 9/14/09 APPROVED: 2/28/94									
AMATH 403	METHODS PAR DIFF EQ Methods for Partial Differential Equations	SPR/2015 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
COMMENT:CHG DESC					LAST UPDT: 8/19/14									

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AMATH 422	COMP MODELS BIOLOGY Computational Modeling of Biological Systems	AUT/2013 - AUT/9999	3.0		.	.		.	.	Y	.			.
COMMENT:CHG DESC					LAST UPDT: 9/17/13 APPROVED: 1/24/96									
AMATH 423	MATH ANALYS BIO MED Mathematical Analysis in Biology and Medicine	SPR/2011 - AUT/9999	3.0		.	.		.	.	Y	.			.
COMMENT:CHG TITLES, DESC					LAST UPDT:12/20/10 APPROVED: 1/24/96									
AMATH 481	SCIENTIFIC COMPTG Scientific Computing	AUT/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 9/15/09									
AMATH 482	COMP METH DATA ANLY Computational Methods for Data Analysis	WIN/2013 - AUT/9999	5.0		.	.		.	.	.	.			.
COMMENT:CHG PREQ					LAST UPDT: 3/19/12 APPROVED: 9/15/09									
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	.		.	.	.	.			.
COMMENT:CHG MAX CREDITS					LAST UPDT: 4/18/11 APPROVED: 1/01/86									
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									

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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	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/2015	5.0		.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/26/15 APPROVED:10/01/89 DROPPED: 6/02/15								
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	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/30/94 APPROVED: 5/30/86								
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								

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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	.	.	.	.	.			.
					LAST UPDT:11/20/13		APPROVED: 1/30/92						
					COMMENT:CHG DESC								
AMATH 522	INTRO MATH BIO Introduction to Mathematical Biology	AUT/2013 -	AUT/9999	5.0	.	.	.	.	.	.			.
					LAST UPDT: 8/20/13		APPROVED: 9/15/09						
					COMMENT:EMAIL PREQ CHG								
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								

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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	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	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		.	.	.	.	.	.	.			.
					LAST UPDT:12/16/14 APPROVED: 6/07/79									
					COMMENT:CHG DESC									
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	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	SPECTRAL METHODS SPECTRAL METHODS	WIN/2005 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					LAST UPDT: 3/29/04 APPROVED: 3/13/97									
					COMMENT:CHG TITLES, DESCRIPTION									

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AMATH 572	INTRO APP STOCH Introduction to Applied Stochastic Analysis	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 8/20/13 APPROVED: 3/13/97									
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 579	INTELLIGENT CONTROL Intelligent Control through Learning and Optimization	WIN/2014 - AUT/9999	3.0		.	.	.	.	.	.	.	AMATH 579 CSE	579	.
COMMENT:CHG DESC					LAST UPDT: 3/31/14 APPROVED: 2/16/10									
AMATH 581	SCIENTIFIC COMPUTING Scientific Computing	AUT/2013 - AUT/9999	5.0		.	.	.	.	.	.	.			.
					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									

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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	
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									
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									