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DETAILED CURRICULUM REPORT
Seattle CAMPUS

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DEPARTMENT: APPLIED MATHEMATICS

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COURSE		TITLE	EFFECTIVE	QUARTERS	QUARTER	OVER D		D		S H F		V L I		E E W		RESPONS	JOINT	O		
CURRIC	NUM					CREDITS	-ALL U	GRD	E	HYPH	M R E	P & N	A S	W T	P R				G	COURSE
AMATH	301	BEG SCI COMPUTING BEGINNING SCIENTIFIC COMPUTING COMMENT:CHG DESC, PREQ	AUT/2008 - AUT/9999	4.0																
						LAST UPDT:	5/19/08			APPROVED:	2/23/96									
AMATH	351	DIFF EQUATIONS INTRODUCTION TO DIFFERENTIAL EQUATIONS AND APPL...	AUT/2002 - AUT/9999	3.0																
		COMMENT:CHANGE PREREQUISITE				LAST UPDT:	3/04/02													
AMATH	352	LINR ALG & NUM ANLY APPLIED LINEAR ALGEBRA AND NUMERICAL ANALYSIS COMMENT:CHANGE COURSE DESCRIPT	AUT/2000 - AUT/9999	3.0																
						LAST UPDT:	12/27/99													
AMATH	353	PARTIAL DIFF EQNS FOURIER ANALYSIS AND PARTIAL DIFFERENTIAL EQUATION COMMENT:PREREQ CHANGE	SPR/2000 - AUT/9999	3.0																
						LAST UPDT:	1/14/00			APPROVED:	10/23/80									
AMATH	383	INTRODUCT MODELING INTRODUCTION TO CONTINUOUS MATHEMATICAL MODELING COMMENT:PREREQ CHANGE	SPR/2000 - AUT/9999	3.0																
						LAST UPDT:	1/14/00			APPROVED:	12/06/93									
AMATH	401	VEC CAL COMPLEX VAR VECTOR CALCULUS AND COMPLEX VARIABLES COMMENT:CHG DESC	AUT/2009 - SUM/2011	4.0																
						LAST UPDT:	11/16/10			APPROVED:	2/28/94									
AMATH	401	VEC CAL COMPLEX VAR VECTOR CALCULUS AND COMPLEX VARIABLES COMMENT:CHG CREDITS	AUT/2011 - AUT/9999	4.0																
						LAST UPDT:	11/16/10			APPROVED:	2/28/94									
AMATH	402	DYNAMCL SYSTS&CHAOS INTRODUCTION TO DYNAMICAL SYSTEMS AND CHAOS COMMENT:CHG DESC	AUT/2009 - AUT/9999	4.0																
						LAST UPDT:	9/14/09			APPROVED:	2/28/94									
AMATH	403	METHODS PAR DIFF EQ METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS COMMENT:CHG DESC	AUT/2009 - AUT/9999	4.0																
						LAST UPDT:	9/14/09													
AMATH	422	COMP MODELS BIOLOGY COMPUTATIONAL MODELING OF BIOLOGICAL SYSTEMS COMMENT:CHG TITLES, DESC	SPR/2011 - AUT/9999	3.0																
						LAST UPDT:	11/16/10			APPROVED:	1/24/96									
AMATH	423	MATH ANLYS BIO MED MATHEMATICAL ANALYSIS IN BIOLOGY AND MEDICINE COMMENT:CHG TITLES, DESC	SPR/2011 - AUT/9999	3.0																
						LAST UPDT:	12/20/10			APPROVED:	1/24/96									

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E						RESPONS COURSE	JOINT COURSES			
AMATH 424	MATH BIO SPAT MODS MATHEMATICAL BIOLOGY:	AUT/2009 - AUT/9999	3.0															.
AMATH 481	SCIENTIFIC COMPTG SCIENTIFIC COMPUTING	AUT/2009 - AUT/9999	5.0															.
AMATH 482	COMP METH DATA ANLY COMPUTATIONAL METHODS FOR DATA ANALYSIS	AUT/2009 - AUT/9999	5.0															.
AMATH 483	HI-PRFM SCI COMPG HIGH-PERFORMANCE SCIENTIFIC COMPUTING	AUT/2009 - AUT/9999	5.0															.
AMATH 490	SPECIAL TOPICS SPECIAL TOPICS	AUT/1999 - AUT/9999	1.0-05.0	15.0														.
AMATH 498	SR PROJECT/THESIS SENIOR PROJECT OR THESIS	WIN/1999 - AUT/9999	1.0-06.0	6.0														.
AMATH 499	READING/RESEARCH UNDERGRADUATE READING AND RESEARCH	WIN/1999 - AUT/9999	1.0-06.0	6.0		CR/NC												.
AMATH 500	SPEC STDY APPL MATH SPECIAL STUDIES IN APPLIED MATHEMATICS	AUT/1986 - AUT/9999	0.0	12.0	Y													.
AMATH 501	VEC CAL COMPLEX VAR VECTOR CALCULUS AND COMPLEX VARIABLES COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0															.
AMATH 502	INTRO DYN SYS & CH INTRODUCTION TO DYNAMICAL SYSTEMS AND CHAOS COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0															.
AMATH 503	METHODS PAR DIFF EQ METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0															.
AMATH 504	MATHTCL EPIDLGY MATHEMATICAL EPIDEMIOLOGY COMMENT:CHG TTL, DESC, PREQ, CREDITS	WIN/2010 - AUT/9999	5.0															.
AMATH 505	FLUID DYNAMICS INTRODUCTION TO FLUID DYNAMICS COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	4.0															.
																	AMATH 505 ATM S 505 OCEAN 511	.

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX	D GRD P SYS	S H F U N E M R E						RESPONS COURSE	JOINT COURSES		
AMATH 506	APPL PROB AND STATS APPLIED PROBABILITY AND STATISTICS COMMENT:CHG TITLES, DESCRIP	AUT/2000 - AUT/9999	4.0	LAST UPDT:	2/01/00	APPROVED:	12/06/91	.	.	.		STAT 506	STAT 506	.	
AMATH 507	CAL VARIATIONS CALCULUS OF VARIATIONS COMMENT:CHG TITLES	AUT/2004 - AUT/9999	5.0	LAST UPDT:	3/29/04	APPROVED:	12/01/83	.	.	.				.	
AMATH 509	OPTIMAL CONTROL THEORY OF OPTIMAL CONTROL	SPR/1988 - AUT/9999	3.0	LAST UPDT:	8/30/94	APPROVED:	5/30/86	.	.	.		MATH 509	MATH 509	.	
AMATH 512	METH OF ENGR ANALYS METHODS OF ENGINEERING ANALYSIS COMMENT:REPLACES AMATH 400	WIN/1998 - AUT/9999	3.0	LAST UPDT:	4/10/98	APPROVED:	2/01/88	.	.	.		AMATH 512	CHEM E512	.	
AMATH 514	NETWORK OPTIMIZIN NETWORKS AND COMBINATORIAL OPTIMIZATION COMMENT:EXTENDED FROM TEMPORARY	AUT/1986 - AUT/9999	3.0	LAST UPDT:	11/01/99	APPROVED:	5/30/86	.	.	.		MATH 514	MATH 514	.	
AMATH 515	FUNDAMNTL OPTIMIZTN FUNDAMENTALS OF OPTIMIZATION	AUT/1999 - AUT/9999	5.0	LAST UPDT:	11/03/99	APPROVED:	3/28/94	.	.	.		MATH 515	MATH IND E 515	.	
AMATH 516	NUMERICAL OPTIMIZTN NUMERICAL OPTIMIZATION	SPR/1986 - AUT/9999	3.0	LAST UPDT:	8/30/94	APPROVED:	5/30/86	.	.	.		MATH 516	MATH 516	.	
AMATH 517	OPTIMIZTN UNCERTNTY OPTIMIZATION UNDER UNCERTAINTY	AUT/1985 - AUT/9999	3.0	LAST UPDT:	8/30/94	APPROVED:	6/01/85	.	.	.		AMATH 517	MATH 517	.	
AMATH 521	SPEC TOPICS MATH BIO SPECIAL TOPICS IN MATHEMATICAL BIOLOGY COMMENT:CHG TITLES, CREDITS, MAX, DESC	AUT/2000 - AUT/9999	5.0	15.0 LAST UPDT:	2/29/00	APPROVED:	1/30/92	.	.	.				.	
AMATH 522	INTRO MATH BIO INTRODUCTION TO MATHEMATICAL BIOLOGY COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0	LAST UPDT:	4/05/10	APPROVED:	9/15/09	.	.	.				.	
AMATH 523	MATH ANLYS BIO &MED MATHEMATICAL ANALYSIS IN BIOLOGY AND MEDICINE COMMENT:CHG TITLES, DESC	SPR/2011 - AUT/9999	5.0	LAST UPDT:	2/10/11	APPROVED:	9/15/09	.	.	.				.	
AMATH 524	MATH BIO: SPAT MODS MATHEMATICAL BIOLOGY: SPATIOTEMPORAL MODELS COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0	LAST UPDT:	4/05/10	APPROVED:	9/15/09	.	.	.				.	

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						OVER D	D	S H F	V	L	E E	W						
						-ALL U	GRD	E	P & N	C M S	Q T							
						MAX	P	D	A	S	W	T	P	R	G			
AMATH	525	MATH ANLYS BIO &MED MATHEMATICAL ANALYSIS	SPR/2011 - AUT/9999	5.0														
			IN BIOLOGY AND MEDICINE															
						LAST	UPDT:	2/10/11	APPROVED:	12/21/10								
AMATH	531	THEORY CELL DYNAM MATHEMATICAL THEORY OF CELLUAR DYNAMICS	AUT/2010 - AUT/9999	3.0														
						LAST	UPDT:	6/16/10	APPROVED:	6/15/10								
AMATH	533	MOVEMENT CONTROL NEURAL CONTROL OF MOVEMENT: A COMPUTATIONAL PERSPE	WIN/2011 - AUT/9999	3.0												AMATH 533 CSE	529	
						LAST	UPDT:	1/03/11	APPROVED:	12/21/10								
AMATH	535	MATH ECOLOGY MATHEMATICAL ECOLOGY	SPR/2011 - AUT/9999	5.0														
						LAST	UPDT:	2/02/11	APPROVED:	12/31/10								
AMATH	567	APPLIED ANALYSIS APPLIED ANALYSIS	AUT/2009 - AUT/9999	5.0														
		COMMENT:CHG TITLES, DESC				LAST	UPDT:	9/29/09										
AMATH	568	ADV METHODS ODE ADVANCED METHODS FOR ORDINARY DIFFERENTIAL EQUATIO	WIN/2005 - AUT/9999	5.0														
		COMMENT:CHANGE TITLES				LAST	UPDT:	2/05/10	APPROVED:	6/07/79								
AMATH	569	ADV METHOD PDE ADVANCED METHODS FOR PARTIAL DIFFERENTIAL EQUATION	SUM/2005 - AUT/9999	5.0														
		COMMENT:CHANGE TITLES				LAST	UPDT:	3/29/04										
AMATH	570	ASYM PERT METH ASYMPTOTIC AND PERTURBATION	AUT/2004 - AUT/9999	5.0														
		COMMENT:CHG TITLES, DESCRIPTION				LAST	UPDT:	3/29/04	APPROVED:	3/13/97								
AMATH	571	SPECTRAL METHODS SPECTRAL METHODS	WIN/2005 - AUT/9999	5.0														
		COMMENT:CHG TITLES, DESCRIPTION				LAST	UPDT:	3/29/04	APPROVED:	3/13/97								
AMATH	572	INTRO APP STOCH INTRODUCTION TO APPLIED STOCHASTIC ANALYSIS	SUM/2005 - AUT/9999	5.0														
		COMMENT:CHG TITLES, DESCRIP, PREREQ				LAST	UPDT:	3/29/04	APPROVED:	3/13/97								
AMATH	573	COH STR, PATRN & F&S COHERENT STRUCTURES, PATTERN FORMATION & SOLITONS	AUT/2009 - AUT/9999	5.0														
		COMMENT:CHG TITLES, DESC				LAST	UPDT:	4/20/09	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								

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AMATH 575	DYNAMICAL SYSTEMS DYNAMICAL SYSTEMS COMMENT:WAS AMATH 574;CHG TITLE,CR	WIN/2005 - AUT/9999	5.0		LAST UPDT:11/01/04			APPROVED: 2/28/94						.
AMATH 579	INTELLIGENT CONTROL INTELLIGENT CONTROL THROUGH LEARNING &OPTIMIZATION	SPR/2010 - AUT/9999	3.0		LAST UPDT: 3/15/10			APPROVED: 2/16/10				AMATH 579 CSE	579	.
AMATH 581	SCIENTIFIC COMPUTING SCIENTIFIC COMPUTING COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0		LAST UPDT: 4/05/10			APPROVED: 1/24/96						.
AMATH 582	COMP METH DATA ANLY COMPUTATIONAL METHODS FOR DATA ANAYLSIS	AUT/2009 - AUT/9999	5.0		LAST UPDT: 9/16/09			APPROVED: 9/15/09						.
AMATH 583	HI-PRFM SCI COMPG HIGH-PERFORMANCE SCIENTIFIC COMPUTING COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	5.0		LAST UPDT: 4/05/10			APPROVED: 9/15/09						.
AMATH 584	APPL LINEAR ALGEBRA APPLIED LINEAR ALGEBRA AND INTRODUCTORY NUMERICAL COMMENT:CHANGE TITLES	AUT/2002 - AUT/9999	5.0		LAST UPDT: 2/05/10			APPROVED: 6/07/79				AMATH 584 MATH	584	.
AMATH 585	BOUNDARY VALUE PROBS NUMERICAL ANALYSIS OF BOUNDARY VALUE PROBLEMS COMMENT:CHG PREQS	AUT/2007 - AUT/9999	5.0		LAST UPDT: 2/05/10			APPROVED: 6/07/79				AMATH 585 MATH	585	.
AMATH 586	TIME DEPNDT PROBS NUMERICAL ANALYSIS OF TIME DEPENDENT PROBLEMS COMMENT:CHG JT STATUS	AUT/2009 - AUT/9999	5.0		LAST UPDT: 2/05/10			APPROVED: 6/07/79				AMATH 586 MATH ATM S	586 581	.
AMATH 594	SPCL TPCS NUM ANLYS SPECIAL TOPICS IN NUMERICAL ANALYSIS	AUT/1994 - AUT/9999	2.0-03.0	15.0 Y	LAST UPDT: 9/22/94			APPROVED:11/01/84				MATH 594 MATH	594	.
AMATH 595	SPCL TPCS NUM ANLYS SPECIAL TOPICS IN NUMERICAL ANALYSIS	AUT/1994 - AUT/9999	2.0-03.0	15.0 Y	LAST UPDT: 9/22/94			APPROVED:11/01/84				MATH 595 MATH	595	.
AMATH 596	SPEC TPCS NUM ANLYS SPECIAL TOPICS IN NUMERICAL ANALYSIS	AUT/1994 - AUT/9999	2.0-03.0	15.0 Y	LAST UPDT: 9/22/94			APPROVED:11/01/84				MATH 596 MATH	596	.
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						.

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AMATH 700	MASTERS THESIS MASTERS 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					