

Department of Mathematics Long Range Course Rotation

B-Blue Ridge C-Cumming D-Dahlonega G-Gainesville O-Oconee U-UNG Online

POS/Req.	Course	Cr	Title	Semester		
				Fall	Spring	Summer
	MATH					
LS	0997	3	Support for Quant Skills and Reasoning	C G O U	C G O U	U
LS	0998	3	Support for Math Models	B D G O U	G O U	U
LS	0999	3	Support for College Algebra	B C D G O U	C G O U	U
Core A	1001	3	Quantitative Skills and Reasoning	C G O U	C G O U	G U
Core A	1101	3	Mathematical Models	B C D G O U	C G O U	U
Core A	1111	3	College Algebra	B C D G O U	B C D G O U	D G O U
Core A/D	1113	3	Precalculus	B C D G O U	B C D G O U	D ^a G ^a O ^a U
Core D/F	1401	3	Elementary Statistics	B C D G O U	B C D G O U	D ^a G ^a O ^a U
Core A/D	1450	4	Calculus I	B C D G O U	B C D G O U	D ^a G ^a O ^a U
K-8	2008	3	Number and Operations for Teachers	B D G O	D G O U	D ^a G ^a U
Core D	2040	3	Brief Calculus	C D G U	C D G O U	D G U
Core F	2401	3	Elementary Statistics II	D G	D O ^a	
Core D/F	2460	4	Calculus II	D G O	C D G O	D ^a G ^a U
Core F	2470	4	Calculus III	D G	D G O ^a	G ^a U
Core D/F	2510	3	Introduction to Discrete Mathematics	D G	D G ^a O ^a	U
a b c	2800	3	Introduction to Mathematical Proof	D G	D G O ^a	D ^{a-EVEN} G ^{a-ODD}
a b c	3000	3	Differential Equations	D G	D G	D ^a G ^a
	3010	3	Partial Differential Equations	D ^{ODD} G ^{EVEN}		
	3020	3	NonLinear Dynamics and Chaos		D ^{3/6/9} G ^{2/5/8}	
K-8	3110	3	Informal Geometry	D G	D G	D ^a G ^a U
K-8	3116	3	Modeling in Algebra	D G	D G	D ^a G ^a U
b	3120	3	Geometry	G ^{EVEN}	D	D ^{a-EVEN}
K-8	3140	3	Data Analysis & Prob Solving for Teachers			D ^{a-ODD}
b (a: 1 opt)	3350	3	Probability and Statistics	D G	D G	D ^{a-ODD} G ^{a-EVEN}
stat minor	3360	3	Stochastic Processes	G	D	

POS/Req.	Course	Cr	Title	Semester		
				Fall	Spring	Summer
stat minor	3370	3	Applied Multivariate Statistics	D	G	
stat minor	3390	1	Undergraduate Research in Statistics	D ^{EVEN}		
b	3500	3	Discrete Mathematics	D	G ^{EVEN}	
	3520	3	Graph Theory	D ^{EVEN}	G ^{ODD}	D ^{a-ODD}
	3530	3	Intro to Directed Graphs	G ^{ODD}	D ^{ODD}	D ^{a-EVEN}
	3540	3	Introduction to Cryptography		D ^{EVEN} G ^{ODD}	D ^{a-ODD}
	3550	3	Numerical Analysis		D ^{1/4/7} G ^{EVEN}	
	3570	3	Combinatorics	G ^{ODD}	D ^{EVEN}	
	3590	3	Game Theory	G ^{3/6/9}	D ^{1/4/7}	
a b c	3650	3	Introduction to Linear Algebra	D G	D G	D ^{a-EVEN} G ^{a-ODD}
	4010	3	Advanced Diff. Eq. and Math. Physics		D ^{3/6/9} G ^{2/5/8}	
	4120	3	Elementary Differential Geometry	D ^{2/5/8}		
	4130	3	Introduction to Topology	D ^{1/4/7} G ^{2/5/8}		
	4160	3	Fourier Analysis		D ^{3/6/9} G ^{1/4/7}	
(a: 1 opt)	4180	3	Functions of a Complex Variable	D ^{EVEN}	G ^{ODD}	
a c	4200	3	Intro to Real Analysis I	D	G	
	4210	3	Intro to Real Analysis II	G ^{1/4/7}	D ^{2/5/8}	
	4310	3	Theory of Numbers	D ^{3/6/9}	G ^{1/4/7}	D ^{a-EVEN}
	4510	3	Continuous Models	G ^{3/6/9}	D ^{2/5/8}	
a b c	4600	3	Introduction to Abstract Algebra I	G	D	D ^{a-ODD} G ^{a-EVEN}
	4610	3	Advanced Modern Algebra		G ^{2/5/8}	
	4620	3	Introduction to Abstract Algebra II	G ^{2/5/8}	D ^{1/4/7} G ^{3/6/9}	
	4550	3	Computer Appl. In Operations Research	G ^{1/4/7}		D ^{a-1/4/7}
	4650	3	Advanced Linear Algebra	D ^{EVEN} G ^{ODD}		
b	4700	3	History of Mathematics	G ^{EVEN}	D	
	4910	1-3	Internship in Mathematics	D G	D G	D G
a	4950	1	Senior Project in Mathematics	D G	D G	D G

POS/Req.	Course	Cr	Title	Semester		
				Fall	Spring	Summer
	MAED					
b	3002	2	Assessment for Secondary Mathematics		D	
b	3003/L	2/1	Classroom Mgmt for Sec. Math. + Lab		D	
b	4000	4	Curriculum for Seocndary Mathematics	D		
b	4101	3	Methods/Materials for Secondary Math.	D		
b	4201	3	Mathematics Education Seminar	D		

*Elective classes will only be placed on the schedule if there is deemed sufficient demand.

Every class is subject to cancellation if enrollment is too low.

^aCourse will be offered on designated campus or taught online by faculty from that campus, depending on demand

^{EVEN,ODD}Course will be offered during designated semester in even or odd years, respectively

^{1/4/7, 2/5/8, 3/6/9}Course will be offered during designated semester in years ending with 1/4/7, 2/5/8, or 3/6/9, respectively

a Mathematics

b Math-Secondary

c Math/Eng Dual Deg

If you need this file in a different format, please contact [Angela Erwin](#)

or call 706-864-1610.