

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

MATHEMATICAL AND COMPUTER SCIENCES**Computer Science**

COMPSCI 162 COMPUTER APPLICATIONS ... A thorough introduction to using computers covering word processing, spreadsheets, data storage and retrieval, computer graphics and applications, uses of computers, e-mail and the Internet, hardware, history, and problems arising from the use of computers.

COREQ: MATH 141 OR 140 OR WAIVER

#3330	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: Hybrid class meeting online F, in class MW
	01/19-05/19	MW	07:45 AM - 08:35 AM	MG0115 Jiehui Ma
	01/19-05/19	Arranged	Arranged	WEB BASED Jiehui Ma
#3332	Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: Hybrid class meeting online F, in class MW
	01/19-05/19	MW	08:50 AM - 09:40 AM	MG0115 Jiehui Ma
	01/19-05/19	Arranged	Arranged	WEB BASED Jiehui Ma
#3344	Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: Hybrid class meeting online F, in class MW
	01/19-05/19	MW	09:55 AM - 10:45 AM	MG0115 Lopamudra Mukherjee
	01/19-05/19	Arranged	Arranged	WEB BASED Lopamudra Mukherjee
#3356	Section 04	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: This is a web-based class. Required additional course fee is \$150.00.
This class uses Office 2007; students will need to have access to this software in order to successfully complete this class.				
	01/19-05/19	Arranged	Arranged	WEB BASED Lopamudra Mukherjee
#3370	Section 05	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	TR	08:00 AM - 09:15 AM	MG0115 Zhengnan Shi
#3372	Section 06	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	TR	12:30 PM - 01:45 PM	MG0115 Zhengnan Shi
#3378	Section 07	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	W	06:15 PM - 08:45 PM	MG0115 Robert L Horton
#3380	Section 08	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	T	06:15 PM - 08:45 PM	MG0115 Robert L Horton

COMPSCI 171 INTRODUCTION TO PROGRAMMING ... An introduction to computer programming and its applications to science, business and education. Opportunity for extensive experience in designing and writing structured programs in the Visual Basic language.

PREREQ: MATH 141 OR WAIVER OF MATH 141

#3334	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	TR	09:30 AM - 10:45 AM	MG0115 Jiehui Ma
#3336	Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	TR	11:00 AM - 12:15 PM	MG0115 Jiehui Ma

COMPSCI 172 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING IN JAVA ... This course will give students the essentials of object-oriented programming in Java. Students will learn to formulate algorithms, to solve problems and to implement those solutions with a Java program that employs objects and classes. The student will be introduced to object-oriented design, applications and applets, class construction, methods and message passing arrays, string processing, file processing, and some event-handling and Graphical Use Interface programming. This course is designed for students with some prior programming experience.

PREREQ: MATH 152 OR MATH 143 OR CALCULUS PLACEMENT OR CONSENT OF INSTRUCTOR

#3340	Section 01	[units: 3]		
	01/19-05/19	MWF	01:10 PM - 02:00 PM	MG0115 Hien M Nguyen
#3342	Section 02	[units: 3]		
	01/19-05/19	MWF	02:15 PM - 03:05 PM	MG0115 Hien M Nguyen

COMPSCI 181 INTRODUCTION TO DATABASE AND THE WEB ... This course provides the student with a comprehensive working knowledge of a modern database package including the creation of a database, construction of a wide range of queries, use of forms, and report writing features. The course also gives an introduction to the creation of World Wide Web pages using the Extended Hypertext Markup Language (XHTML).

PREREQ: MATH 141 OR WAIVER OF MATH 141

#3362	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	MWF	12:05 PM - 12:55 PM	MG0115 Zhengnan Shi
#3364	Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: This is a hybrid class meeting online R, in class T.
	01/19-05/19	T	12:30 PM - 01:45 PM	HY0210 Athula D. A. Gunawardena
	01/19-05/19	Arranged	Arranged	WEB BASED Athula D. A. Gunawardena
#3366	Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
	01/19-05/19	MWF	11:00 AM - 11:50 AM	HY0210 Hien M Nguyen

COMPSCI 271 ASSEMBLY PROGRAMMING ... A study of assembly language basic instructions, number systems, information move, integer arithmetic, subroutine linkage, memory allocation, bit manipulation, floating point arithmetic, macro definition and conditional assembly, the program status word, interrupt and I/O structure.

PREREQ: COMPSCI 172

#3338	Section 01	[units: 3]		
	01/19-05/19	TR	09:30 AM - 10:45 AM	HY0210 Athula D. A. Gunawardena

Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)

COMPSCI 302 COMPUTER LOGIC AND MICROPROCESSORS ... *Structure of microprocessors and microprocessor systems, programming in machine language, computer logic and logic circuits, interfacing.*

PREREQ: COMPSCI 172

#3374 Section 01 [units: 3]

01/19-05/19 MW 03:45 PM - 05:00 PM HH1300 Lopamudra Mukherjee

COMPSCI 434 THEORY OF COMPUTATION ... *This course is an introduction to the theory of computation. It discusses finite automata and Turing machines as models of computation. It includes discussions of regular sets, recursive and partially recursive functions, context free grammars, the halting problem, undecidable problems, complexity, and Np-completeness.*

PREREQ: MATH 280

#5266 Section 01 [units: 3]

01/19-05/19 TR 09:30 AM - 10:45 AM HH1308 Jonathan M Kane

COMPSCI 481 WEB SERVER AND UNIX ADMINISTRATION ... *This course is intended to introduce students to Web Server software and UNIX and UNIX-like operating systems from the perspective of the System Administrator. Linux, the fastest growing operating system, will be studied in detail, together with the Apache web server. Web server configuration will be studied, including optimization, security issues and virtual server administration. Additional topics will include shell programming, system monitoring, file systems and the X Windows GUI. This course will focus on common system administration duties on the Linux platform. Students will acquire competency in using shell programming skills to automate the maintenance of server activity. Emphasis will be placed on using Linux as an Internet server.*

PREREQ: COMPSCI 381 AND 382 OR EQUIVALENT PREPARATION OR CONSENT OF INSTRUCTOR

#3346 Section 01 [units: 3]

01/19-05/19 M 06:15 PM - 08:45 PM HY0210 Bennette R Harris

COMPSCI 482 WEB DATABASE DEVELOPMENT ... *This course will introduce students to MySQL databases and PHP3 scripting on a UNIX platform. Students will create and interact with databases via the web. Topics will include SQL; creating, accessing and updating server-side databases; a variety of database-to-web interface tools; and the PHP embedded scripting language. Transactions with other database products via PHP will also be considered.*

PREREQ: COMPSCI 381 AND 382 OR EQUIVALENT PREPARATION OR CONSENT OF INSTRUCTOR

#3348 Section 01 [units: 3]

01/19-05/19 T 06:15 PM - 08:45 PM HY0210 Sobitha W Samaranyake

COMPSCI 498 INDEPENDENT STUDY IN COMPUTER SCIENCE ... *Study of a selected topic or topics under the direction of a faculty member. Repeatable. Department Consent required.*

#3350 Section 01 [units: 1-3]

01/19-05/19 Arranged Arranged Hien M Nguyen

Dept. Consent

#3352 Section 02 [units: 1-3]

All class meeting details to be arranged.

Dept. Consent

#3354 Section 03 [units: 1-3]

All class meeting details to be arranged.

Dept. Consent

#3360 Section 04 [units: 1-3]

All class meeting details to be arranged.

Dept. Consent

COMPSCI 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... *Study of a selected topic or topics under the direction of a faculty member. Repeatable. Department Consent required.*

#5525 Section 01 [units: 1-3]

01/19-05/19 Arranged Arranged Hien M Nguyen

Dept. Consent

*** GRADUATE LEVEL COURSES ***

COMPSCI 798 INDIVIDUAL STUDIES ... *Study of a selected topic or topics under the direction of a faculty member.*

#3358 Section 01 [units: 1-3]

01/19-05/19 Arranged Arranged To Be Arranged

Mathematics

MATH 40 PRE-ALGEBRA ... *A course for students who need a review of basic mathematics or who lack the computational skills required for success in algebra and other University courses. Topics include fractions, decimals, percent, descriptive statistics, English and metric units of measure, and measures of geometric figures. Emphasis is on applications. A brief introduction to algebra is included at the end of the course. This course does count toward the semester credit load and will be computed into the grade point average. It will not be included in the 120 credits required for graduation. It may be taken for a conventional grade or on a satisfactory/no credit basis. Not available to students who have satisfied the University Proficiency requirement in mathematics. ACT Math subscore 14 or below (SAT 340 or below) Arithmetic skills test required.*

#3130 Section 01 [units: 3]

01/19-05/19 MWR 05:10 PM - 05:55 PM MC0112 Eric P Anderson

Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)

MATH 41 BEGINNING ALGEBRA ... A course for those who have a sound background in basic arithmetic, but who have not been exposed to algebra, or who need to strengthen their basic algebra skills. Topics include properties of the real numbers, linear and quadratic equations, linear inequalities, exponents, polynomials, rational expressions, the straight line, and systems of linear equations. The course counts towards the semester credit load and will be computed into the grade point average. It will not, however, be included in the credits necessary for graduation. It may be taken for a conventional grade or on a satisfactory/no credit basis.

Prereq: 760-040 or equivalent demonstration of capability. Students cannot receive credit for 760-041 if they have been waived from the Mathematics Proficiency Requirement. Not available to students who have satisfied the University Proficiency requirement in mathematics.

PREREQ: MATH 040 OR ITS EQUIVALENT

#3222	Section 01	[units: 4]				
	01/19-05/19	MTWR	08:50 AM - 09:40 AM	MC0112	Brenda K Volk	
#3242	Section 02	[units: 4]				
	01/19-05/19	MTWR	09:55 AM - 10:45 AM	MC0112	Richard D Pierson	
#5015	Section 03	[units: 4]				
	01/19-05/19	MTWR	09:55 AM - 10:45 AM	MC0011A	Lori L Grady	
#3224	Section 03X	[units: 4]				
	LEARNING COMMUNITIES - STEPPING STONES					
	01/19-05/19	MTWR	09:55 AM - 10:45 AM	MC0011A	Lori L Grady	
#3226	Section 04	[units: 4]				
	01/19-05/19	MTWR	11:00 AM - 11:50 AM	MC0112	Richard D Pierson	
#3132	Section 05	[units: 4]				
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	MC0112	Lori L Grady	
#3256	Section 06	[units: 4]				
	01/19-05/19	MTWR	01:10 PM - 02:00 PM	MC0112	Tiffany Tardy	
#3260	Section 07	[units: 4]				
	01/19-05/19	MTWR	02:15 PM - 03:05 PM	MC0112	Tiffany Tardy	

MATH 140 MATHEMATICAL IDEAS ... Designed to give students a broad understanding and appreciation of mathematics. Includes topics not usually covered in a traditional algebra course. Topics encompass some algebra, problem solving, counting principles, probability, statistics, and consumer mathematics. This course is designed to meet the University Proficiency Requirement in mathematics for those students who do not wish to take any course which has 760-141 as a prerequisite. ACT Math subscore 19-23 (SAT 460-550)

PREREQ: MATH 041 WITH A GRADE OF C OR BETTER, OR DEMONSTRATION OF EQUIVALENT CAPABILITY

#3146	Section 01	[units: 3]				
	01/19-05/19	TR	02:15 PM - 03:30 PM	HY0324	Ruth S Whitmore	

MATH 141 INTERMEDIATE ALGEBRA ... Introduction to college algebra. Topics and concepts extend beyond those taught in a beginning algebra course. A proficiency course for those who have not had sufficient preparation in high school to allow them to take MATH 143 or MATH 152. ACT Math subscore 19-23 (SAT 460-550)

PREREQ: MATH 041 WITH A GRADE OF C OR BETTER OR ITS EQUIVALENT

#3148	Section 01	[units: 4]				
	01/19-05/19	MTWR	11:00 AM - 11:50 AM	HE0219	Peter H Lampe	
#3150	Section 02	[units: 4]	NOTE: This is a hybrid course which meets M on-line and TWR in the classroom each week.			
	01/19-05/19	TWR	09:55 AM - 10:45 AM	HE0211	Geethamali G Samaranayake	
	01/19-05/19	Arranged	Arranged	WEB BASED	Geethamali G Samaranayake	
#3282	Section 03	[units: 4]	NOTE: This is a hybrid course which meets M on-line and TWR in the classroom each week.			
	01/19-05/19	TWR	01:10 PM - 02:00 PM	HH1310	Fe S Evangelista	
	01/19-05/19	Arranged	Arranged	WEB BASED	Fe S Evangelista	
#3152	Section 04	[units: 4]				
	01/19-05/19	MTWR	09:55 AM - 10:45 AM	HE0117	Tamas Szabo	
#3154	Section 05	[units: 4]				
	01/19-05/19	MTWR	01:10 PM - 02:00 PM	HE0215	Jeffrey C Barnett	
#3156	Section 06	[units: 4]				
	01/19-05/19	MTWR	02:15 PM - 03:05 PM	HE0215	Jeffrey C Barnett	
#3158	Section 07	[units: 4]				
	01/19-05/19	MTWR	03:20 PM - 04:10 PM	HE0215	Jeffrey C Barnett	
#3160	Section 08	[units: 4]				
	01/19-05/19	MTWR	08:50 AM - 09:40 AM	HE0215	Janet M Ley	
#3228	Section 09	[units: 4]				
	01/19-05/19	MTWR	09:55 AM - 10:45 AM	HE0215	Janet M Ley	
#3162	Section 10	[units: 4]				
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	HE0215	Janet M Ley	
#3164	Section 11	[units: 4]				
	01/19-05/19	MTWR	08:50 AM - 09:40 AM	MG0125	Joan Stamm	
#3230	Section 12	[units: 4]				
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	MG0125	Joan Stamm	
#3166	Section 13	[units: 4]				
	01/19-05/19	MTWR	01:10 PM - 02:00 PM	MG0125	Teri J Alder	

<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>
#3288 Section 14 [units: 4] 01/19-05/19	MTWR	07:45 AM - 08:35 AM	MG0117	Thomas L. Drucker	
#5365 Section 14X [units: 4] LEARNING COMMUNITIES - STEPPING STONES 01/19-05/19	MTWR	07:45 AM - 08:35 AM	MG0117	Thomas L. Drucker	
#3290 Section 15 [units: 4] 01/19-05/19	MTWR	01:10 PM - 02:00 PM	HE0117	Gado A Ongwela	
#3292 Section 16 [units: 4] 01/19-05/19	MTWR	02:15 PM - 03:05 PM	HE0117	Gado A Ongwela	
#5004 Section 20 [units: 4] 01/19-05/19	MTWR	06:15 PM - 07:05 PM	MG0125	Thomas M Karthausser	

MATH 143 FINITE MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES ... *Mathematical preparation for the understanding of various quantitative methods in modern management and social sciences. Topics included are sets, relations, linear functions, interest, annuities, matrix theory, the solution of linear systems by the graphical, algebraic, Gauss-Jordan, and inverse methods, linear programming by graphical and simplex methods, counting and probability, and decision theory. College of Business and Economics majors must take this course on a conventional grade basis.*

PREREQ: MATH 141 WITH A GRADE OF C OR BETTER OR WAIVER.

#3266 Section 01 [units: 3] 01/19-05/19	MW	02:15 PM - 03:30 PM	MG0125	Lopamudra Mukherjee	
#3268 Section 02 [units: 3] 01/19-05/19	TR	12:30 PM - 01:45 PM	UH0144	C V Rao	
#3168 Section 03 [units: 3] 01/19-05/19	TR	02:15 PM - 03:30 PM	HH1302	Leon M Arriola	
#3270 Section 04 [units: 3] 01/19-05/19	W	06:15 PM - 08:45 PM	HY0216	Malvina F Baica	
#3170 Section 05 [units: 3] 01/19-05/19	TR	03:45 PM - 05:00 PM	HY0216	Malvina F Baica	
#3172 Section 06 [units: 3] 01/19-05/19	TR	12:30 PM - 01:45 PM	HE0219	Sobitha W Samaranayake	
#3174 Section 07 [units: 3] 01/19-05/19	TR	02:15 PM - 03:30 PM	MG0125	Sobitha W Samaranayake	
#3176 Section 08 [units: 3] 01/19-05/19	MWF	09:55 AM - 10:45 AM	HE0219	Bennette R Harris	
#3178 Section 09 [units: 3] 01/19-05/19	MWF	12:05 PM - 12:55 PM	HE0219	Bennette R Harris	
#3180 Section 10 [units: 3] 01/19-05/19	MWF	01:10 PM - 02:00 PM	HE0219	Bennette R Harris	
#3182 Section 11 [units: 3] 01/19-05/19	TR	02:15 PM - 03:30 PM	UH0143	Mohammad H Ahmadi	
#3184 Section 12 [units: 3] 01/19-05/19	MWF	11:00 AM - 11:50 AM	HE0112	Xueqing Chen	
#3186 Section 13 [units: 3] 01/19-05/19	TR	09:30 AM - 10:45 AM	HE0219	Leon M Arriola	
#3286 Section 14 [units: 3] 01/19-05/19	MWF	11:00 AM - 11:50 AM	HE0215	William T Mickelson	
#3298 Section 15 [units: 3] 01/19-05/19	MWF	12:05 PM - 12:55 PM	HE0117	William T Mickelson	
#3300 Section 16 [units: 3] 01/19-05/19	MWF	09:55 AM - 10:45 AM	HH1303	Ki-Bong Nam	
#3302 Section 17 [units: 3] 01/19-05/19	TR	11:00 AM - 12:15 PM	HY0216	Bennette R Harris	
#3304 Section 18 [units: 3] 01/19-05/19	MW	04:50 PM - 06:05 PM	HE0100	Thomas L McFarland	
#3322 Section 19 [units: 3] 01/19-05/19	MW	03:20 PM - 04:35 PM	HE0100	Thomas L McFarland	

MATH 148 MATHEMATICS FOR THE ELEMENTARY TEACHER I ... *A study of sets, whole numbers, fractions, integers, decimals and real numbers, basic arithmetic operations and their properties, standard and alternative algorithms and estimations strategies; problem-solving, proportional reasoning and algebraic thinking. Manipulatives and cooperative learning activities are used throughout the course. For elementary education majors.*

PREREQ: A GRADE OF C OR BETTER IN MATH 141 OR MATH 141B OR A WAIVER FROM THE UNIVERSITY MATHEMATICS PROFICIENCY REQUIREMENT

#3134 Section 01 [units: 3] 01/19-05/19	MW	02:15 PM - 03:30 PM	HY0216	NOTE: Required course fee \$42.00 Ruth S Whitmore	
#3136 Section 02 [units: 3] 01/19-05/19	MWF	08:50 AM - 09:40 AM	HY0216	NOTE: Required course fee \$42.00 Angela K Harris	
#3138 Section 03 [units: 3] 01/19-05/19	MWF	09:55 AM - 10:45 AM	HY0216	NOTE: Required course fee \$42.00 Angela K Harris	

<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>
#5522 Section 04 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	TR	12:30 PM - 01:45 PM	HH2301	Tamas Szabo	

MATH 149 MATHEMATICS FOR THE ELEMENTARY TEACHER II ... Topics in probability and statistics, with emphasis on descriptive techniques. Investigations in geometric figures, measurement, construction, transformations, congruent and similar geometric figures. Problem solving strategies, manipulatives, and cooperative learning activities are emphasized throughout the course. All students will prepare a mathematics based activity and present it at an area elementary school.

PREREQ: MATH 148 WITH A GRADE OF C OR BETTER

#3140 Section 01 [units: 3] NOTE: A required course fee of \$42.00 will be charged to students who did not receive a math manipulative kit in MATH 148. Hybrid class; online F, in class MW.

01/19-05/19	MW	12:05 PM - 12:55 PM	HY0216	Ruth S Whitmore	
01/19-05/19	Arranged	Arranged	WEB BASED	Ruth S Whitmore	
#3142 Section 02 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MW	11:00 AM - 11:50 AM	HY0216	Ruth S Whitmore	
01/19-05/19	Arranged	Arranged	WEB BASED	Ruth S Whitmore	
#3144 Section 03 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MWF	01:10 PM - 02:00 PM	HY0216	Angela K Harris	

MATH 152 ELEMENTARY FUNCTIONS ... Review of algebraic functions, inequalities, mathematical induction, theory of equations, exponential and logarithmic functions, circular functions, trigonometric identities and equations, inverse trigonometric functions, solution of triangles.

PREREQ: MATH 141 WITH A GRADE OF C OR BETTER OR WAIVER.

#3188 Section 01 [units: 5]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MTWRF	08:50 AM - 09:40 AM	HE0112	Pawel Felcyn	
#3190 Section 02 [units: 5]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MTWRF	09:55 AM - 10:45 AM	HE0112	Pawel Felcyn	
#3192 Section 03 [units: 5]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MTWRF	01:10 PM - 02:00 PM	HE0112	Xueqing Chen	
#3264 Section 04 [units: 5]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MW	02:15 PM - 03:05 PM	HE0112	Ki-Bong Nam	
01/19-05/19	TR	02:15 PM - 03:30 PM	HE0112	Ki-Bong Nam	
#3328 Section 05 [units: 5]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MW	03:45 PM - 04:35 PM	HE0112	Ki-Bong Nam	
01/19-05/19	TR	03:45 PM - 05:00 PM	HE0112	Ki-Bong Nam	

MATH 177 THE LOGIC OF CHESS ... A study of logic particularly as it is used in the game of chess and, most particularly, in chess strategy and the end game of chess. The rules are taught to those who are not already acquainted with the game.

PREREQ: MATH 141 OR MATH 140

#3194 Section 01 [units: 1]					
01/19-05/19	M	06:15 PM - 07:30 PM	HE0100	Thomas L McFarland	

MATH 230 INTRODUCTORY STATISTICS ... A pre-calculus course in statistics. Descriptive statistics, probability distributions, prediction, hypothesis testing, correlation, and regression. This course does not count towards a mathematics major or minor in either liberal arts or secondary education or towards a mathematics minor in elementary education. This course may not be taken for credit if credit has been or is being earned in any other statistics course.

PREREQ: MATH 141 WITH A GRADE OF C OR BETTER OR WAIVER.

#3196 Section 01 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MWF	09:55 AM - 10:45 AM	MG0117	William T Mickelson	

MATH 243 SHORT CALCULUS FOR BUSINESS AND SOCIAL SCIENCES ... A general survey of the Calculus. Topics covered include limits, differentiation, max-min theory, exponential and logarithmic functions, integration and functions of several variables. As in 760-143, business and social science applications are stressed. College of Business and Economics majors must take this course on a conventional grade basis.

PREREQ: MATH 143 OR 152 WITH A GRADE OF C OR BETTER

#3198 Section 01 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MW	02:15 PM - 03:30 PM	MG0117	Athula D. A. Gunawardena	
#3200 Section 02 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	MW	03:45 PM - 05:00 PM	MG0117	Athula D. A. Gunawardena	
#3202 Section 03 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	TR	09:30 AM - 10:45 AM	MG0117	Robert P Siemann	
#3232 Section 04 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	TR	12:30 PM - 01:45 PM	MG0117	Robert P Siemann	
#3234 Section 05 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	TR	12:30 PM - 01:45 PM	HY0216	Malvina F Baica	
#3248 Section 06 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	TR	02:15 PM - 03:30 PM	HY0216	Malvina F Baica	
#3284 Section 07 [units: 3]	Gen Ed Math/Natural Sciences (GM)				
01/19-05/19	TR	09:30 AM - 10:45 AM	HY0216	Mohammad H Ahmadi	

<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>
#3306 Section 08	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	TR	12:30 PM - 01:45 PM	UH0142	Mohammad H Ahmadi	
#3324 Section 09	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	TR	08:00 AM - 09:15 AM	HY0216	Mohammad H Ahmadi	
#5520 Section 11	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MWF	09:55 AM - 10:45 AM	HH2314	C V Rao	
#5521 Section 12	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MWF	12:05 PM - 12:55 PM	HH2307	C V Rao	

MATH 250 APPLIED CALCULUS SURVEY FOR BUSINESS AND SOCIAL SCIENCES ... An applied calculus course covering elementary analytic geometry, limits, differentiation, max-min theory, transcendental functions, integration, functions of several variables, and elementary differential equations. Some computer topics may be included. College of Business and Economics majors must take this course on a conventional grade basis.

PREREQ: MATH 143 WITH A C OR BETTER OR EQUIVALENT PREPARATION AS DETERMINED BY THE MATH DEPARTMENT

#3204 Section 01	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MTWRF	12:05 PM - 12:55 PM	HE0112	Thomas L. Drucker	
#3278 Section 02	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MW	02:15 PM - 03:05 PM	HE0100	Thomas L. McFarland	
01/19-05/19	TR	02:15 PM - 03:30 PM	HE0100	Thomas L. McFarland	

MATH 253 CALCULUS AND ANALYTIC GEOMETRY I ... Review of algebraic and trigonometric functions, transcendental functions, limits, study of the derivative, techniques of differentiation, continuity, applications of the derivative, L' Hospital's Rule and indeterminate forms, the Riemann integral, Fundamental Theorem of Calculus, substitution rule. Conventional grade basis only if course is required in the College of Business for major.

PREREQ: MATH 152 WITH A GRADE OF C OR BETTER OR EQUIVALENT HIGH SCHOOL PREPARATION AS DETERMINED BY THE MATHEMATICS DEPARTMENT.

UNREQ: MATH 253 AND MATH 250

#3206 Section 01	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MW	02:15 PM - 03:05 PM	HE0219	Jonathan M Kane	
01/19-05/19	TR	02:15 PM - 03:30 PM	HE0219	Jonathan M Kane	
#3208 Section 02	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MTWRF	12:05 PM - 12:55 PM	HE0211	Fe S Evangelista	
#3274 Section 03	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
01/19-05/19	MTWRF	08:50 AM - 09:40 AM	HE0211	Geethamali G Samaranyake	

MATH 254 CALCULUS AND ANALYTIC GEOMETRY II ... Techniques of integration, applications of the integral, introduction to differential equations, polar coordinates and conic sections, infinite sequences and series. This course includes a writing component.

PREREQ: MATH 250 WITH A GRADE OF B OR BETTER OR MATH 253 WITH A GRADE OF C OR BETTER

#3210 Section 01	[units: 5]				
01/19-05/19	MTWRF	09:55 AM - 10:45 AM	MG0125	Xueqing Chen	
#3212 Section 02	[units: 5]				
01/19-05/19	MW	02:15 PM - 03:05 PM	HE0211	Peter H Lampe	
01/19-05/19	TR	02:15 PM - 03:30 PM	HE0211	Peter H Lampe	

MATH 255 CALCULUS AND ANALYTIC GEOMETRY III ... Solid analytic geometry, vectors and vector functions, functions of several variables, multiple integrals and their applications.

PREREQ: MATH 254 WITH A GRADE OF C OR BETTER

#3214 Section 01	[units: 3]				
01/19-05/19	MW	02:15 PM - 03:30 PM	HH1302	Leon M Arriola	

MATH 280 DISCRETE MATHEMATICS ... This course will supply a thorough grounding in the mathematical topics which are central to the study of computer science, and which form the basis for many modern applications of mathematics to the social sciences. Topics covered will include sets, logic, Boolean algebra and switching circuits, combinatorics, probability, graphs, trees, recursion, and algorithm analysis. Expressing mathematical ideas and writing proofs will be emphasized.

PREREQ: MATH 250 WITH A GRADE OF B OR BETTER OR MATH 253 WITH A GRADE OF C OR BETTER

#3216 Section 01	[units: 3]				
01/19-05/19	MWF	08:50 AM - 09:40 AM	HE0219	Peter H Lampe	

MATH 301 INTRODUCTION TO ANALYSIS ... The main emphasis of this course is to introduce students to mathematical proofs. Students will learn to read and write proofs in mathematics by writing proofs of theorems about limits, sets of real numbers, and continuous functions. If time permits, other topics may include derivative and integration theorems, theory of open and closed sets, and cardinality of sets.

PREREQ: MATH 255 AND MATH 280

#3262 Section 01	[units: 3]				
01/19-05/19	MWF	08:50 AM - 09:40 AM	MG0117	Thomas L. Drucker	

MATH 353 COLLEGE GEOMETRY ... The topics included in this course are foundations of Euclidean geometry, Euclidean transformational geometry, modern synthetic geometry that builds on Euclidean geometry, selected finite geometries, and an introduction to non-Euclidean and projective geometry, including their relationship to Euclidean geometry. Although the course is adapted to the prospective teacher of geometry, it will also meet the needs of those in other majors needing a background in geometry. Standards and guidelines of appropriate national and local bodies will be implemented.

PREREQ: MATH 253 AND MATH 280

#3236 Section 01	[units: 5]				
01/19-05/19	MW	02:15 PM - 03:05 PM	UH0144	Tamas Szabo	
01/19-05/19	TR	02:15 PM - 03:30 PM	UH0144	Tamas Szabo	

Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)

MATH 355 MATRICES AND LINEAR ALGEBRA ... Systems of linear equations, matrices and determinants, finite dimensional vector spaces, linear dependence, bases, dimension, linear mappings, orthogonal bases, and eigenvector theory. Applications stressed throughout.

PREREQ: MATH 253 OR MATH 250 OR CONSENT OF INSTRUCTOR

#3272 Section 01 [units: 3]

01/19-05/19 MWF 11:00 AM - 11:50 AM HH2314 C V Rao

MATH 359 MATHEMATICAL MODELING & STATISTICS ... An introduction to mathematical modeling and descriptive statistics. Students will develop the basic skills of formulation, simplification, and analysis of mathematical models for describing and predicting physical phenomena. The basic tools of descriptive statistics will also be introduced; the use of descriptive statistics in formulating and interpreting mathematical models will be emphasized. This course contains a writing component.

PREREQ: MATH 255 OR CONSENT OF INSTRUCTOR

#3238 Section 01 [units: 3]

01/19-05/19 MW 03:45 PM - 05:00 PM HY0216 William T Mickelson

MATH 370 PROBLEM SOLVING FOR THE ELEMENTARY TEACHER ... This course is primarily for pre-service elementary and middle school teachers. Students will learn a variety of problem solving strategies applicable in elementary and middle school. The applications will cover many different areas of mathematics.

PREREQ: MATH 149

#5593 Section 01 [units: 3]

01/19-05/19 MWF 08:50 AM - 09:40 AM Tamas Szabo

MATH 415 MODERN ALGEBRA AND NUMBER THEORY FOR THE ELEMENTARY TEACHER ... An introduction to modern algebra with special emphasis on the number systems and algorithms which underlie the mathematics curriculum of the elementary school. Topics from logic, sets, algebraic structures, and number theory.

PREREQ: MATH 149 AND MATH 152

#3240 Section 01 [units: 3]

01/19-05/19 TR 12:30 PM - 01:45 PM HH1307 Geethamali G Samaranayake

MATH 442 MATHEMATICAL STATISTICS ... This course will cover moment generating functions, moments of linear combinations of random variables, conditional expectation, functions of random variables, sampling distributions, the theory of estimation, Bayesian estimation, hypothesis testing, nonparametric tests, and linear models.

PREREQ: MATH 441 AND MATH 355 OR CONSENT OF INSTRUCTOR

#4869 Section 01 [units: 4]

01/19-05/19 MTWR 01:10 PM - 02:00 PM HH1311 Julie A Letellier

MATH 449 ACTUARIAL EXAMINATION PREPARATION ... Designed for students preparing to take either the first (probability) or second (interest theory) actuarial examination, the course will review the mathematics required for the examination and bring the student through a series of exercises design to give them the required training to pass their examination.

PREREQ: MATH 441

#3310 Section 01 [units: 1]

01/19-05/19 M 06:15 PM - 07:55 PM MG0122 Jonathan M Kane

MATH 452 INTRODUCTION TO ABSTRACT ALGEBRA ... An introductory survey of abstract algebra and number theory with emphasis on the development and study of the number systems of integers, integers mod n , rationals, reals, and complex numbers. These offer examples of and motivation for the study of the classical algebraic structures of groups, rings integral domains and fields. Applications to algebraic coding theory and crystallography will be developed if time allows.

PREREQ: MATH 280 OR CONSENT OF INSTUCTOR

#3280 Section 02 [units: 3]

01/19-05/19 TR 09:30 AM - 10:45 AM MG0122 Ki-Bong Nam

MATH 459 PARTIAL DIFFERENTIAL EQUATIONS ... Fourier analysis, partial differential equations and boundary value problems, complex variables, and potential theory.

PREREQ: MATH 361

#4871 Section 01 [units: 3]

01/19-05/19 TR 12:30 PM - 01:45 PM HE0115 Leon M Arriola

MATH 464 ADVANCED CALCULUS ... This course presents a rigorous treatment of the differential and integral calculus of single variable functions, convergence theory of numerical sequences and series, uniform convergence theory of sequences and series of functions, metric spaces, functions of several real variables, and the inverse function theorem. This course contains a writing component.

PREREQ: MATH 301

#4872 Section 01 [units: 3]

01/19-05/19 MWF 12:05 PM - 12:55 PM HH2300 Pawel Felcyn

MATH 496 SPECIAL STUDIES ... Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings. Repeatable three times maximum in 6 years. Instructor Consent required.

#5265 Section 01 [units: 3]

PREREQ: MATH 253, MATH 254

01/19-05/19 MWF 01:10 PM - 02:00 PM HY0210 Sobitha W Samaranayake SCIENTIFIC COMPUTING

<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>	
MATH 498 INDEPENDENT STUDY ... Study of a selected topic or topics under the direction of a faculty member. Repeatable. Department Consent required.						
#3218	Section 01	[units: 1-3]				Dept. Consent
01/19-05/19	Arranged	Arranged		Mohammad H Ahmadi	TOPOLOGY	
#3220	Section 02	[units: 3]				Dept. Consent
01/19-05/19	Arranged	Arranged		Thomas L. Drucker		
#3244	Section 03	[units: 3]				Dept. Consent
01/19-05/19	M	05:15 PM - 06:15 PM	MG0117	Jonathan M Kane	ACTUARIAL MATHEMATICS	
#3246	Section 04	[units: 1]				Dept. Consent
01/19-05/19	Arranged	Arranged		Julie A Letellier	CALCULUS I	
#3258	Section 05	[units: 1-3]				Dept. Consent
All class meeting details to be arranged.						

MATH 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... Study of a selected topic or topics under the direction of a faculty member. Repeatable. Department Consent required.

#5264	Section 01	[units: 1-3]				Dept. Consent
01/19-05/19	Arranged	Arranged		Geethamali G Samaranayake		

***** GRADUATE LEVEL COURSES *****

MATH 798 INDIVIDUAL STUDIES ... In addition to allowing students to carry on independent studies in a wide variety of graduate level topics, students may take many of the department's upper level undergraduate courses supplemented with graduate components. These courses include advanced calculus, complex variables, differential equations, abstract algebra, number theory, probability, statistics, and more.

#5527	Section 01	[units: 1-3]				Dept. Consent
01/19-05/19	Arranged	Arranged		Geethamali G Samaranayake		