

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

MATHEMATICS**Mathematics**

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: MATH 040 or equivalent demonstration of capability. Students cannot receive credit for MATH 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 40 OR ITS EQUIVALENT

#1991 Section 01 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWR 09:00 AM - 09:50 AM MC0011A Charlotte Toboyek

#1987 Section 02 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWR 10:00 AM - 10:50 AM MC0011A Charlotte Toboyek

#2032 Section 03 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWR 11:00 AM - 11:50 AM MC0011A John Reilly

#1961 Section 04 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWR 12:00 PM - 12:50 PM MC0011A Charlotte Toboyek

#4589 Section 05 [units: 4]

01/17-05/19 MTWR 01:00 PM - 01:50 PM MC0011A Lori Grady

#1920 Section 05P [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWR 01:00 PM - 01:50 PM MC0011A Lori Grady

#3986 Section 06 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWR 02:00 PM - 02:50 PM HE0112 To Be Arranged

MATH 49 WORKSHOP ... Variable credit course offering with a defined topic. Repeatable with a change of topic.

#3988 Section 04 [units: 1]

01/17-05/19 F 09:00 AM - 09:50 AM MG0125 Teri Alder

MOVING UP

Dept. Consent

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 for students who do not wish to take any course having MATH 141 as a prerequisite.

PREREQ: MATH 41 WITH A GRADE OF C OR BETTER OR WAIVER

#1927 Section 01 [units: 3]

01/17-05/19 TR 11:00 AM - 12:15 PM Leon Arriola

02/02 R 11:00 AM - 12:15 PM HE0100 Leon Arriola EXAM

02/23 R 11:00 AM - 12:15 PM HE0100 Leon Arriola EXAM

04/06 R 11:00 AM - 12:15 PM HE0100 Leon Arriola EXAM

04/27 R 11:00 AM - 12:15 PM HE0100 Leon Arriola EXAM

MATH 141 FUNDAMENTALS OF COLLEGE ALGEBRA ... A functional approach to algebra with emphasis on applications to different disciplines. Topics include linear, exponential, logarithmic, quadratic, polynomial and rational equations and functions, systems of linear equations, linear inequalities, radicals and rational exponents, complex numbers, variation. Properties of exponents, factoring, and solving linear equations are reviewed.

PREREQ: MATH 41 WITH A GRADE OF C OR BETTER OR WAIVER

#1928 Section 01 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000

01/17-05/19 MTWR 08:00 AM - 08:50 AM HE0112 Heather Conte

#1929 Section 02 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in MG0101

01/17-05/19 MTWR 08:00 AM - 08:50 AM HE0117 John Reilly

#2006 Section 03 [units: 4] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in MG0101

01/17-05/19 MTWR 09:00 AM - 09:50 AM HE0117 John Reilly

<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>
#1930 Section 04 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH2203				
COREQ: RESTRICTED TO STUDENTS IN THE MOVING UP PROGRAM. STUDENTS MUST ALSO ENROLL IN MATH 049-04					
01/17-05/19	MTWR	09:00 AM - 09:50 AM	MG0125	Teri Alder	MOVING UP
#1931 Section 05 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in UH0145				
01/17-05/19	MTWR	10:00 AM - 10:50 AM	HE0117	Kelly Strait	
#2031 Section 06 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	MTWR	11:00 AM - 11:50 AM	HE0112	Heather Conte	
#3990 Section 07 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in UH0145				
01/17-05/19	MTWR	11:00 AM - 11:50 AM	HE0117	Kelly Strait	
#1994 Section 08 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH2101				
01/17-05/19	MTWR	12:00 PM - 12:50 PM	HE0117	Corey Bruns	
#4590 Section 09 [units: 4]	NOTE: Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	MTWR	12:00 PM - 12:50 PM	HE0112	Heather Conte	
#2005 Section 09P [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	MTWR	12:00 PM - 12:50 PM	HE0112	Heather Conte	
#1934 Section 10 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH2101				
01/17-05/19	MTWR	12:00 PM - 12:50 PM	HH1310	Xueqing Chen	
#4591 Section 11 [units: 4]	NOTE: Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	MTWR	01:00 PM - 01:50 PM	HE0117	Huckleberry Rahr	
#1935 Section 11P [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	MTWR	01:00 PM - 01:50 PM	HE0117	Huckleberry Rahr	
#1992 Section 12 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	MTWR	02:00 PM - 02:50 PM	HE0117	Huckleberry Rahr	
#1936 Section 13 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH2203				
01/17-05/19	MTWR	03:00 PM - 03:50 PM	HE0117	Geethamali Samaranyake	
02/16	R	03:00 PM - 04:00 PM	HE0100	Geethamali Samaranyake	EXAM
03/16	R	03:00 PM - 04:00 PM	HE0100	Geethamali Samaranyake	EXAM
04/27	R	03:00 PM - 04:00 PM	HE0100	Geethamali Samaranyake	EXAM
#1980 Section 14 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in WH2001				
01/17-05/19	MTWR	03:00 PM - 03:50 PM	HE0112	Lori Grady	
#1997 Section 15 [units: 4]	NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in WH2001				
01/17-05/19	MTWR	04:00 PM - 04:50 PM	HE0112	Lori Grady	
#1981 Section 16 [units: 4]	NOTE: This is a web based course. An additional fee of \$200 is required. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	Arranged	Arranged	WEB BASED	Joan Stamm	
#2026 Section 17 [units: 4]	NOTE: This is a web based course. An additional fee of \$200 is required. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
01/17-05/19	Arranged	Arranged	WEB BASED	Joan Stamm	
#3996 Section 17W [units: 4]	NOTE: This is a web based course. An additional fee of \$200 is required. This section is reserved for students in online majors only. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore. Final Exam will be Tuesday, May 9, from 4:45-6:45pm in HH1000				
PREREQ: MUST BE ADMITTED TO AN ON-LINE MAJOR					
01/17-05/19	Arranged	Arranged	WEB BASED	Joan Stamm	

Dept. Consent

<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>
#4577	Section 18	[units: 4]	NOTE: Final Exam will be Tuesday, May 9, from 4:45-6:45pm in UH0145		
01/17-05/19	MTWR	02:00 PM - 02:50 PM	HH2305	Kelly Strait	

MATH 143 FINITE MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES (GM) ... 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.

#1973	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.		
01/17-05/19	MW	08:00 AM - 09:15 AM	HE0215	Corey Bruns	
#1974	Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.		
01/17-05/19	MW	09:30 AM - 10:45 AM	HE0215	Corey Bruns	
#1937	Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	09:30 AM - 10:45 AM	HE0219	William Mickelson	
#4564	Section 04	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	09:30 AM - 10:45 AM	HE0100	Huckleberry Rahr	
#1938	Section 04X	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	09:30 AM - 10:45 AM	HE0100	Huckleberry Rahr	
#1939	Section 05	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	12:30 PM - 01:45 PM	HE0215	Leon Arriola	
02/01	W	12:30 PM - 01:45 PM	HH2101	Leon Arriola	EXAM
02/22	W	12:30 PM - 01:45 PM	HH2101	Leon Arriola	EXAM
04/05	W	12:30 PM - 01:45 PM	HH2101	Leon Arriola	EXAM
04/26	W	12:30 PM - 01:45 PM	HH2101	Leon Arriola	EXAM
#1940	Section 06	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	12:30 PM - 01:45 PM	HE0219	Ram Neupane	
#1941	Section 07	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	03:30 PM - 04:45 PM	HE0219	Balamurugan Pandiyan	
#1942	Section 08	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	03:30 PM - 04:45 PM	HE0215	To Be Arranged	
#1943	Section 09	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	MW	05:00 PM - 06:15 PM	HH1310	To Be Arranged	
#1944	Section 10	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	09:30 AM - 10:45 AM	HE0100	Huckleberry Rahr	
#1945	Section 11	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	09:30 AM - 10:45 AM	HE0215	Balamurugan Pandiyan	
#1946	Section 12	[units: 3]	Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.		
01/17-05/19	TR	11:00 AM - 12:15 PM	WH3010	Pawel Felcyn	
#1979	Section 13	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	12:30 PM - 01:45 PM	HE0215	Thomas Drucker	
03/09	R	12:30 PM - 01:45 PM	HY0320	Thomas Drucker	EXAM
04/20	R	12:30 PM - 01:45 PM	HY0320	Thomas Drucker	EXAM
#1982	Section 14	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	12:30 PM - 01:45 PM	HE0219	William Mickelson	
#1985	Section 15	[units: 3]	Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.		
01/17-05/19	TR	02:00 PM - 03:15 PM	HE0215	Corey Bruns	
#1988	Section 16	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	02:00 PM - 03:15 PM	HE0217	Balamurugan Pandiyan	
#1999	Section 17	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	02:00 PM - 03:15 PM	HE0219	Xueqing Chen	
#2000	Section 18	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	03:30 PM - 04:45 PM	HH2303	Julie Letellier	
#2001	Section 19	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	03:30 PM - 04:45 PM	HE0219	Balamurugan Pandiyan	
#2003	Section 20	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
01/17-05/19	TR	03:30 PM - 04:45 PM	MG0125	Suk-Geun Hwang	
#2009	Section 21	[units: 3]	Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. An additional fee of \$150 is required.		
01/17-05/19	Arranged	Arranged	WEB BASED	Tamas Szabo	

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

#3997 Section 21W [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. An additional fee of \$150 is required. This section is reserved for students in online majors only.

PREREQ: MUST BE ADMITTED TO AN ON-LINE MAJOR

01/17-05/19 Arranged Arranged WEB BASED Tamas Szabo

#4578 Section 22 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 TR 11:00 AM - 12:15 PM HH2301 To Be Arranged

MATH 148 MATHEMATICS FOR THE ELEMENTARY TEACHER I (GM) ... 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 WAIVER

#1921 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: Required course fee \$26. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore.

01/17-05/19 MW 02:00 PM - 03:15 PM HY0216 Teri Alder

#1922 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: Required course fee \$26. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore.

01/17-05/19 TR 11:00 AM - 12:15 PM HY0216 Teri Alder

#1923 Section 03 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: Required course fee \$26. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore.

01/17-05/19 TR 12:30 PM - 01:45 PM HY0216 Teri Alder

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.

PREREQ: MATH 147 WITH A GRADE OF C OR BETTER OR MATH 148 WITH A GRADE OF C OR BETTER

#1924 Section 01 [units: 3] NOTE: A required course fee of \$26 will be charged to students who did not receive a math manipulative kit in MATH 148. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. This is a hybrid course that meets both online and in the classroom.

01/17-05/19 MW 09:00 AM - 09:50 AM HY0216 Rachel Chaphalkar

01/17-05/19 Arranged Arranged WEB BASED Rachel Chaphalkar

#1925 Section 02 [units: 3] NOTE: A required course fee of \$26 will be charged to students who did not receive a math manipulative kit in MATH 148. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore. This is a hybrid course that meets both online and in the classroom.

01/17-05/19 MW 12:00 PM - 12:50 PM HY0216 Rachel Chaphalkar

01/17-05/19 Arranged Arranged WEB BASED Rachel Chaphalkar

#1926 Section 03 [units: 3] NOTE: A required course fee of \$26 will be charged to students who did not receive a math manipulative kit in MATH 148. Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore.

01/17-05/19 TR 08:00 AM - 09:15 AM HY0216 Kelly Strait

MATH 152 ELEMENTARY FUNCTIONS (GM) ... 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.

#1947 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MTWRF 08:00 AM - 08:50 AM HH1310 Ram Neupane

#1948 Section 02 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MTWRF 09:00 AM - 09:50 AM HE0112 Angela Harlan

#1949 Section 03 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MTWRF 10:00 AM - 10:50 AM HE0112 Thomas Drucker

02/10 F 10:00 AM - 10:50 AM HE0100 Thomas Drucker EXAM

03/03 F 10:00 AM - 10:50 AM HE0100 Thomas Drucker EXAM

03/31 F 10:00 AM - 10:50 AM HE0100 Thomas Drucker EXAM

04/21 F 10:00 AM - 10:50 AM HE0100 Thomas Drucker EXAM

#1972 Section 04 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MTWRF 11:00 AM - 11:50 AM HH1310 Ram Neupane

#1983 Section 05 [units: 5] Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MTWRF 01:00 PM - 01:50 PM HE0112 Pawel Felcyn

#4418 Section 06 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 02:00 PM - 02:50 PM HH1310 Peter Lampe

01/17-05/19 TR 02:00 PM - 03:15 PM HH1310 Peter Lampe

#3998 Section 06X [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 02:00 PM - 02:50 PM HH1310 Peter Lampe

01/17-05/19 TR 02:00 PM - 03:15 PM HH1310 Peter Lampe

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

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

#1950 Section 01 [units: 1]

01/17-05/19 M 06:00 PM - 07:15 PM HE0100 Thomas Mcfarland

MATH 230 INTRODUCTION TO STATISTICAL REASONING AND ANALYSIS (GM) ... A course on the principles, procedures and concepts surrounding the production, summarization and analysis of data. Emphasis on critical reasoning and interpretation of statistical results. Content includes: probability, sampling, and research design; statistical inference, modeling and computing; practical application culminating in a research project. Unreq: ECON 245, PSYCH 215, SOCIOLOGY 295

PREREQ: GRADE OF C OR BETTER IN MATH 141 OR CONSENT OF INSTRUCTOR

#1951 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 11:00 AM - 12:15 PM HE0219 William Mickelson

#2017 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. An additional of \$150 is required.

01/17-05/19 Arranged Arranged WEB BASED William Mickelson

#3999 Section 02W [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This sections is reserved for students in online majors only. This is a web based course. An additional of \$150 is required.

PREREQ: MUST BE ADMITTED TO AN ON-LINE MAJOR

01/17-05/19 Arranged Arranged WEB BASED William Mickelson

MATH 243 SHORT CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (GM) ... A general survey of the calculus. Topics covered include limits, differentiation, max-min theory, exponential and logarithmic functions, and integration. Business and social science applications are stressed.

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

#1952 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 11:00 AM - 12:15 PM MG0125 Robert Siemann

#1953 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 02:00 PM - 03:15 PM HE0215 Corey Bruns

#1954 Section 03 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 03:30 PM - 04:45 PM MG0125 Robert Siemann

#1962 Section 04 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 TR 08:00 AM - 09:15 AM HE0215 Fe Evangelista

#1963 Section 05 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 TR 02:00 PM - 03:15 PM MG0125 Robert Siemann

MATH 250 APPLIED CALCULUS SURVEY FOR BUSINESS AND SOCIAL SCIENCES (GM) ... An applied calculus course covering elementary analytic geometry, limits, differentiation, max-min theory, exponential and logarithmic functions, integration, functions of several variables, and elementary differential equations. Some computer topics may be included. A student may earn credit for only one of MATH 243, MATH 250, and MATH 253.

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

#1977 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MW 12:30 PM - 01:20 PM HE0100 Thomas Mcfarland

01/17-05/19 TR 12:30 PM - 01:45 PM HE0100 Thomas Mcfarland

02/16 R 02:00 PM - 03:00 PM HE0100 Thomas Mcfarland EXAM

03/16 R 02:00 PM - 03:00 PM HE0100 Thomas Mcfarland EXAM

05/02 T 02:00 PM - 03:00 PM HE0100 Thomas Mcfarland EXAM

MATH 253 CALCULUS AND ANALYTIC GEOMETRY I (GM) ... Review of algebraic and trigonometric functions, transcendental functions, limits, study of the derivative, techniques of differentiation, continuity, applications of the derivative, L' Hopital's Rule and indeterminate forms, the Riemann integral, Fundamental Theorem of Calculus, and substitution rule.

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

#1955 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM)

01/17-05/19 MTWRF 10:00 AM - 10:50 AM MG0125 Peter Lampe

#1956 Section 02 [units: 5] Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore. This is a hybrid course and will have classroom meetings plus online instruction. Further instructions will be given the first day of class.

01/17-05/19 MTWR 01:00 PM - 01:50 PM HH1310 Geethamali Samaranyake

01/17-05/19 F Arranged WEB BASED Geethamali Samaranyake

#1976 Section 03 [units: 5] Gen Ed Math/Natural Sciences (GM) NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the university bookstore.

01/17-05/19 MW 03:30 PM - 04:20 PM UH0144 Pawel Felcyn

01/17-05/19 TR 03:30 PM - 04:45 PM UH0144 Pawel Felcyn

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

#1957 Section 01 [units: 5] NOTE: This is a hybrid course and will have classroom meetings plus online instruction. Further instructions will be given the first day of class.

01/17-05/19 MTWR 10:00 AM - 10:50 AM Julie Letellier

01/17-05/19 F Arranged WEB BASED Julie Letellier

	<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>
#1958	Section 02	[units: 5]				
	01/17-05/19	MW	03:30 PM - 04:20 PM	HH1310	Xueqing Chen	
	01/17-05/19	TR	03:30 PM - 04:45 PM	HH1310	Xueqing Chen	

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 C OR BETTER

#1959 Section 01 [units: 3] NOTE: Students are required to purchase an access code for an online homework system that will provide immediate feedback and additional support. Codes can be purchased from the University Bookstore.

01/17-05/19	MWF	11:00 AM - 11:50 AM	HY0216	Geethamali Samaranyake
-------------	-----	---------------------	--------	------------------------

#4665 Section 02 [units: 3]

All class meeting details to be arranged.

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

#1960 Section 01 [units: 3]

01/17-05/19	MWF	10:00 AM - 10:50 AM	HY0216	Geethamali Samaranyake
-------------	-----	---------------------	--------	------------------------

MATH 301 INTRODUCTION TO ANALYSIS ... A first course in real analysis. Topics include properties of the real numbers, convergence of sequences, monotone and Cauchy sequences, continuity, differentiation, the Mean Value Theorem, and the Riemann integral. Emphasis is placed on proof-writing and communicating mathematics.

PREREQ: MATH 255 AND MATH 280

#1971 Section 01 [units: 3]

01/17-05/19	TR	12:30 PM - 01:45 PM	MG0125	Fe Evangelista
-------------	----	---------------------	--------	----------------

MATH 342 APPLIED STATISTICS ... This course will cover the basics of statistical testing, regression analysis, experimental design, analysis of variance, and the use of computers to analyze statistical problems. This course contains a writing component.

PREREQ: MATH 253 OR MATH 250 OR CONSENT OF INSTRUCTOR

#4024 Section 01 [units: 3]

01/17-05/19	MW	12:30 PM - 01:45 PM	HY0210	Khyam Paneru
-------------	----	---------------------	--------	--------------

MATH 346 THEORY OF INTEREST ... This course will cover the topics of interest theory listed in the Society of Actuaries/Casualty Actuarial Society syllabus for Exam FM/2. Topics include the time value of money, annuities, loans, bonds, general cash flows and portfolios, and immunization schedules.

PREREQ: MATH 254 WITH A C OR BETTER

#2020 Section 01 [units: 3]

01/17-05/19	MW	03:30 PM - 04:45 PM	HH1302	Khyam Paneru
-------------	----	---------------------	--------	--------------

MATH 352 INFINITE PROCESSES FOR THE ELEMENTARY TEACHER ... This course is primarily for pre-service elementary and middle school teachers. Students will be introduced to the concepts of calculus, which include infinite processes, limits, and continuity. In addition, derivatives and integrals, and their relationship to area and change will be covered.

PREREQ: MATH 152 WITH C OR BETTER

#1986 Section 01 [units: 3]

01/17-05/19	MWF	01:00 PM - 01:50 PM	HY0216	Rachel Chaphalkar
-------------	-----	---------------------	--------	-------------------

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

#1964 Section 01 [units: 5]

01/17-05/19	MW	03:30 PM - 04:20 PM	HY0216	Tamas Szabo
01/17-05/19	TR	03:30 PM - 04:45 PM	HY0216	Tamas Szabo

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

#1975 Section 01 [units: 3]

01/17-05/19	MWF	10:00 AM - 10:50 AM	UH0144	Sobitha Samaranyake
-------------	-----	---------------------	--------	---------------------

#2029 Section 02 [units: 3]

01/17-05/19	TR	11:00 AM - 12:15 PM	MG0125	Peter Lampe
-------------	----	---------------------	--------	-------------

#4667 Section 03 [units: 3] NOTE: This course is restricted to students in the Nicolet High School PIE Program cohort.

Dept. Consent

01/17-05/19	Arranged	Arranged	OFF CAMPUS	Xueqing Chen	PIE PROGRAM
01/17-05/19	Arranged	Arranged	OFF CAMPUS	Michael Weidner	PIE PROGRAM

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

MATH 359 PROBABILITY & STATISTICS FOR TEACHERS ... An introduction to probability and statistics for teachers. Topics covered include counting techniques, basic probability theory, exploratory data analysis, simulation, randomization, and statistical inference. This course contains a writing component.

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

#1965 Section 01 [units: 3]

01/17-05/19 MW 12:30 PM - 01:45 PM UH0144 Julie Letellier

MATH 381 MATHEMATICAL MODELING AND SIMULATION ... Modeling involving formulation of deterministic, stochastic and rule-based models and computer simulation in order to make predictions. Topics may include unconstrained and constrained growth models, equilibrium and stability, force and motion, predator-prey model, enzyme kinetics, data-driven models, probability distributions, Monte Carlo simulations, random walk, diffusion, cellular automaton simulations, and high performance computing.

PREREQ: MATH 254 WITH A GRADE OF C OR BETTER AND MATH 355

#4026 Section 01 [units: 3]

01/17-05/19 MW 12:30 PM - 01:45 PM MG0115 Balamurugan Pandiyan

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 WITH C OR BETTER AND MATH 152 WITH C OR BETTER

#1966 Section 01 [units: 3]

01/17-05/19 MW 03:30 PM - 04:45 PM UH0150 Angela Harlan

MATH 417 THEORY OF NUMBERS ... A study of the properties of integers, representation of integers in a given base, properties of primes, arithmetic functions, module arithmetic. Diophantine equations and quadratic residues. Consideration is also given to some famous problems in number theory.

PREREQ: MATH 280 OR MATH 415 OR CONSENT OF INSTRUCTOR

#4027 Section 01 [units: 3]

01/17-05/19 MW 12:30 PM - 01:45 PM MC0112 Tamas Szabo

MATH 421 MATHEMATICS FOR HIGH SCHOOL TEACHERS I ... The course revisits the high school curriculum from an advanced perspective. The focus is on deepening understanding of concepts, highlighting connections and solving challenging problems. The mathematical content includes number systems, functions, equations, integers, and polynomials. Connections to geometry are emphasized throughout the course.

PREREQ: MATH 280, MATH 301 AND AT LEAST AN ADDITIONAL 3 CREDITS IN UPPER LEVEL MATH

#1995 Section 01 [units: 3]

01/17-05/19 TR 02:00 PM - 03:15 PM HY0216 Tamas Szabo

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 WITH GRADE OF C OR BETTER

#2002 Section 01 [units: 4]

01/17-05/19 MTWR 09:00 AM - 09:50 AM HH1310 Julie Letellier

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

#1978 Section 01 [units: 3]

01/17-05/19 TR 09:30 AM - 10:45 AM HY0216 Suk-Geun Hwang

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.

#4028 Section 01 [units: 3]

01/17-05/19 TR 03:30 PM - 04:45 PM MG0122 Leon Arriola RESEARCH IN BUS/IND/GOV

Instructor Consent

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

#1967 Section 01 [units: 1]

01/17-05/19 Arranged Arranged Julie Letellier Exam P Preparation

Dept. Consent

#1968 Section 02 [units: 1]

01/17-05/19 Arranged Arranged Khyam Paneru

Dept. Consent

#1970 Section 03 [units: 1-5]

01/17-05/19 Arranged Arranged

Dept. Consent

#4625 Section 04 [units: 1]

01/17-05/19 Arranged Arranged Balamurugan Pandiyan DYNAMIC SYSTEMS & CHAOS

Dept. Consent

#4650 Section 05 [units: 3]

01/17-05/19 Arranged Arranged Pawel Felcyn

Dept. Consent

