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

#1262 Section 01 [units: 4] NOTE: This is a hybrid course which meets both in the classroom and online each week. 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.

07/10-08/19	*TWR*	*10:45 AM - 12:35 PM*	*HH1300*	*Lori Grady*
07/10-08/19	*MF*	*Arranged*		*Lori Grady*

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

#1260 Section 01 [units: 4] NOTE: This is a hybrid course which meets both in the classroom and online each week. 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.

05/30-07/08	*TWR*	*10:45 AM - 12:35 PM*	*HH1302*	*Fe Evangelista*
05/30-07/08	*Arranged*	*Arranged*	*WEB BASED*	*Fe Evangelista*

#1261 Section 02 [units: 4] NOTE: This is a hybrid course which meets both in the classroom and online each week. 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.

07/10-08/19	*TWR*	*10:45 AM - 12:35 PM*	*HH1302*	*Ram Neupane*
07/10-08/19	*Arranged*	*Arranged*	*WEB BASED*	*Ram Neupane*

#1268 Section 03 [units: 4] NOTE: This is a web based class; required additional course fee of $200. This class is taught online through Desire2Learn. The course site will be available to you at the beginning of the session. This is a special online section limited to students who are enrolled in the ECE4U online cohort program. ECE4U students should contact Anne Tillett for more information at tilletta@uww.edu. Dept. Consent

05/30-07/08	*Arranged*	*Arranged*	*WEB BASED*	*Joan Stamm*

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.

#1269 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

07/10-07/29	*MTWRF*	*10:45 AM - 01:25 PM*	*HH1303*	*Khyam Paneru*

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

#1271 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a special online section limited to students enrolled in the ECE4U online cohort program. Face to face meeting dates are the following Saturdays: 6/3, 6/17, and 7/8 from 8:30-11:00am. Additionally, there will be two online meetings two evenings a week; time and day to be determined. Contact Anne Tillett for more information at tilletta@uww.edu. This is an online course. additional course fee of $150 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. Dept. Consent

05/30-07/08	*Arranged*	*Arranged*	*WEB BASED*	*Teri Alder*
06/03	*S*	*08:30 AM - 11:00 AM*		*Teri Alder*
06/17	*S*	*08:30 AM - 11:00 AM*		*Teri Alder*
07/08	*S*	*08:30 AM - 11:00 AM*		*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

#1546 Section 01 [units: 3] NOTE: This is a special online section limited to students enrolled in the ECE4U online cohort program. Face to face meeting dates are the following Saturdays: 7/22, 8/5, and 8/19 from 8:30-11:00am. Additionally, there will be two online meetings two evenings a week; time and day to be determined. Contact Anne Tillett for more information at tilletta@uww.edu. This is an online course. additional course fee of $150 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.

07/10-08/19	*Arranged*	*Arranged*	*WEB BASED*	*Teri Alder*
07/22	*S*	*08:30 AM - 11:00 AM*		*Teri Alder*
08/05	*S*	*08:30 AM - 11:00 AM*		*Teri Alder*
08/19	*S*	*08:30 AM - 11:00 AM*		*Teri Alder*

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.

#1263 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid course that meets both in the classroom and online each week.

07/10-08/19	*TWR*	*10:45 AM - 01:00 PM*	*HH1310*	*Aditi Ghosh*
07/10-08/19	*Arranged*	*Arranged*	*WEB BASED*	*Aditi Ghosh*

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, SOCIOLGY 295

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

#1270 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This course will be taught using Desire2Learn. Required additional fee of $150 will be assessed for this class. Exams are to be taken in a proctored environment. Students who cannot come to campus are responsible to find a proctor and obtain the instructor's approval.

06/19-07/29	*Arranged*	*Arranged*	*WEB BASED*	*William Mickelson*

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.

#1264 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid course which meets both in the classroom and online each week. 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.

05/30-07/08	*MTWR*	*10:45 AM - 01:00 PM*	*HH1305*	*Julie Letellier*	
05/30-07/08	*Arranged*	*Arranged*	*WEB BASED*	*Julie Letellier*	
07/07	*F*	*10:45 AM - 01:00 PM*	*HH1305*	*Julie Letellier*	*FINAL EXAM*

MATH 448 ACTUARIAL EXAMINATION PREPARATION FOR EXAM P/1 ... The course is designed to prepare students for Exam P/1, the first actuarial exam which tests students' knowledge of and ability to use and apply fundamental probability tools in assessing risk. Basic concepts from risk theory are introduced, probability theory is reviewed, and sample questions from previous exams are discussed.

COREQ: MATH 442

#1608 Section 01 [units: 1] NOTE: This is a hybrid course that will meet both online and in the classroom. Face-to-face meetings are on 7/17, 7/31, and 8/14 from 10:45am-12:45pm.

07/10-08/19	*Arranged*	*Arranged*	*WEB BASED*	*Julie Letellier*
07/17	*M*	*10:45 AM - 12:45 PM*		*Julie Letellier*
07/31	*M*	*10:45 AM - 12:45 PM*		*Julie Letellier*
08/14	*M*	*10:45 AM - 12:45 PM*		*Julie Letellier*

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

#1265 Section 01 [units: 3] Dept. Consent

05/30-08/19	*Arranged*	*Arranged*	*Khyam Paneru*
05/30-08/19	*Arranged*	*Arranged*	*Fe Evangelista*

#1266 Section 02 [units: 3] Dept. Consent

06/19-07/29	*Arranged*	*Arranged*	*Tamas Szabo*

#1267 Section 03 [units: 3] Dept. Consent

05/30-08/19	*Arranged*	*Arranged*	*Fe Evangelista*

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

MATH 696 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.

#1652 Section 01 [units: 3] NOTE: Restricted to PIE program instructors. The course provides an advanced perspective to concepts of algebra and analysis. The focus is on deepening understanding of familiar 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. Instructor Consent

PREREQ: MATH 301 OR CONSENT OF INSTRUCTOR

06/19-07/29 Arranged Arranged WEB BASED Tamas Szabo NUMBERS POLYNOMIALS & FUNCTION

#1653 Section 02 [units: 3] NOTE: Restricted to Fox Valley Technical College instructors. The course provides an advanced perspective to concepts of algebra and analysis. The focus is on deepening understanding of familiar 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. Instructor Consent

PREREQ: MATH 301 OR CONSENT OF INSTRUCTOR

06/19-07/29 Arranged Arranged WEB BASED Tamas Szabo NUMBERS POLYNOMIALS & FUNCTION