

## Section V - College of Letters and Sciences

### BIOLOGICAL SCIENCES

#### Biological Sciences

**BIOLOGY 214 ECOLOGY AND SOCIETY (GM)** ... A study of basic ecological concepts and their application to the identification, understanding, and abatement of contemporary environmental problems. Special emphasis is given to those problems resulting from man and his activities. This course is accepted as a course in conservation required for teacher licensure in the sciences.

#1158 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

05/31-06/18 Arranged Arranged WEB BASED Stephen L Solheim

### COMPUTER SCIENCE

#### Computer Science

**COMPSCI 162 COMPUTER APPLICATIONS (GM)** ... 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 MATH 140 OR WAIVER**

#1098 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

This class uses Office 2013; students will need to have access to this software to successfully complete this class.

05/31-06/18 Arranged Arranged WEB BASED Sobitha W Samaranayake

#1099 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

This class uses Office 2013; students will need to have access to this software to successfully complete this class.

07/11-07/30 Arranged Arranged WEB BASED Athula D. A. Gunawardena

**COMPSCI 171 INTRODUCTION TO PROGRAMMING (GM)** ... 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**

#1100 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

05/31-06/18 Arranged Arranged WEB BASED Lopamudra Mukherjee

**COMPSCI 172 INTRODUCTION TO JAVA (GM)** ... 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 User Interface programming. This course is designed for students with some prior programming experience.

**PREREQ: MATH 152 WITH A GRADE OF C OR BETTER, OR MATH 143 WITH A GRADE OF C OR BETTER, OR CALCULUS PLACEMENT, OR CONSENT OF INSTRUCTOR**

#1101 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

05/31-07/09 Arranged Arranged WEB BASED Jiazhen Zhou

**COMPSCI 174 INTRODUCTION TO C++ (GM)** ... This course teaches basic programming skills using the structured high-level language C++. Topics include basic input and output, declaration and use of variables, use of control statements, implementation of functions using value and reference parameters, arrays, and structures. Students will write moderately complex applications using C++.

**PREREQ: MATH 152 WITH A GRADE OF C OR BETTER, OR MATH 143 WITH A GRADE OF C OR BETTER, OR CALCULUS PLACEMENT, OR CONSENT OF INSTRUCTOR**

#1104 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

05/31-07/09 Arranged Arranged WEB BASED Jiazhen Zhou

### MATHEMATICS

#### Mathematics

**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.**

#1210 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is an online course. additional course fee of \$150 is required.

Exams are to be taken in a proctored environment. Students who cannot come to campus are responsible to find a proctor and get the instructors approval.

07/11-08/20 Arranged Arranged WEB BASED Tamas Szabo

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

**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 A WAIVER FROM THE UNIVERSITY MATHEMATICS PROFICIENCY REQUIREMENT**

#1213 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: 6/11, 6/25, and 7/9 from 8:30-11:00am in WH2016. 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@uwv.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

05/31-07/09 Arranged Arranged WEB BASED Teri J 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.**

#1204 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.

07/11-08/20 TWR 10:45 AM - 01:00 PM HH1310 Julie A Letellier

07/11-08/20 MF Arranged WEB BASED Julie A Letellier

08/19 F 10:45 AM - 01:00 PM HH1310 Julie A Letellier FINAL EXAM

**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**

#1212 Section 01 [units: 3] 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.

06/20-07/30 MTW 10:45 AM - 12:25 PM HY0210 Khyam N Paneru

06/20-07/30 R Arranged WEB BASED Khyam N Paneru

**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.**

#1205 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.

05/31-07/09 MTWR 10:45 AM - 01:00 PM HH1310 Geethamali G Samaranyake

05/31-07/09 F Arranged WEB BASED Geethamali G Samaranyake

07/08 F 10:45 AM - 12:45 PM HH1310 Geethamali G Samaranyake FINAL EXAM