

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.

#1168 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. Required additional course fee is \$150.

05/30-06/17 Arranged Arranged WEB BASED Stephen Solheim

#1700 Section 01W [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This section is reserved for students in online majors only. This is a web based course. Required additional course fee is \$150.

PREREQ: MUST BE ADMITTED TO AN ON-LINE MAJOR

05/30-06/17 Arranged Arranged WEB BASED Stephen 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

#1003 Section 01 [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 2016; students will need to have access to this software to successfully complete this class.

05/30-06/17 Arranged Arranged WEB BASED Athula Gunawardena

#1002 Section 02 [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 2016; students will need to have access to this software to successfully complete this class.

07/10-07/29 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 Use 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

#1004 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based class. Required additional course fee is \$150.00.

05/30-07/08 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

#1005 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based class. Required additional course fee is \$150.00.

07/10-08/19 Arranged Arranged WEB BASED Sobitha Samaranyake

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.

#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

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 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 Dept. Consent 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@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.

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 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, SOCIOLOGY 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
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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

PHYSICS

Physics

PHYSICS 150 FROM EINSTEIN TO STAR TREK (GM) ... This introductory survey course will focus on areas of modern physics that are frequently discussed but often misunderstood. The theories of Einstein and other physicists will be used to examine science fiction devices such as time machines, warp drives, and mass transporters. Integrated throughout will be a discussion of what are science, science fiction, and pseudo-science. Not applicable toward any physics major or minor. Three hours of lecture a week.

COREQ: MATH 140 OR MATH 141 OR WAIVER

#1391 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. An additional fee of \$150 will be required.

06/19-07/08	Arranged	Arranged	WEB BASED	Steven Sahyun
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