

Section V - College of Letters and Sciences

BIOLOGICAL SCIENCES

Biological Sciences

BIOLOGY 214 ECOLOGY AND SOCIETY ... *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. PREREQ: Completion of General Studies science requirements.*

#2800 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

PREREQ: RESTRICTED TO BSE STUDENTS

01/19-05/19 MWF 09:55 AM - 10:45 AM UH0238 Bruce David Eshelman

#2802 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/19-05/19 MWF 11:00 AM - 11:50 AM HH3200 Elisabeth A Harrahy

GEOGRAPHY AND GEOLOGY

Geology

GEOLOGY 204 EARTH AND LIFE HISTORY ... *A study of the changes in the Earth's crust and life through geologic time and the methodology used in reconstructing Earth history, including plate tectonics, organic evolution and stratigraphy. A special fee will be assessed to cover transportation costs for those students selecting to participate on an optional field trip.*

COREQ: MATH 141 OR 140 OR WAIVER

#3118 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/19-05/19 MWF 01:10 PM - 02:00 PM UH0140 Rex A Hanger

#3840 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This class will be taught on the web and you must have an active UWW email account to take this class. A week or two before the class begins, information on how to access the class will be mailed to your UWW email account. Required additional course fee is \$150.

01/19-05/19 Arranged Arranged WEB BASED Rex A Hanger

GEOLOGY 301 ENVIRONMENTAL GEOLOGY ... *A study of geological phenomena such as earthquakes, volcanism, mass movements, river processes, coastal processes etc. and their impacts on society and environment. Special emphasis will be placed on examining remedial measures against geological hazards and how human actions influence natural geological processes. Three lecture hours per week.*

#3108 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

01/19-05/19 MW 02:15 PM - 03:30 PM UH0060 Juk Bhattacharyya

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

<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>
#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 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	Zhengen 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	

Mathematics

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

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

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

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

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		

PHYSICS

Physics

PHYSCS 100 ENERGY ... An examination of energy; its nature, the forms in which it appears, its transformation, current and future sources, and energy issues faced by an informed electorate. Three one-hour lectures per week.

#5360	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)				
	01/19-05/19	W	06:15 PM - 08:45 PM	UH0142	Abdelkrim Boukahil		

PHYSICS 150 FROM EINSTEIN TO STAR TREK ... 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 141 OR WAIVER

#4804	Section 01C	[units: 3]	Gen Ed Math/Natural Sciences (GM)				
	01/19-05/19	T	06:15 PM - 08:45 PM	UH0141	Juliana T Constantinescu		

PHYSICS 240 PHYSICS OF SOUND AND MUSIC ... A descriptive course that deals with various properties of sound, the generation of sound by traditional musical instruments and the electronic production and reproduction of sound. The physical process of hearing and the acoustical properties of rooms are also included. Three one-hour lecture periods per week.

COREQ: MATH 140 OR MATH 141

#3390	Section 01C	[units: 3]	Gen Ed Math/Natural Sciences (GM)				
	01/19-05/19	TR	12:30 PM - 01:45 PM	UH0166	Juliana T Constantinescu		