

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

## Section V - College of Letters and Sciences

### BIOLOGICAL SCIENCES

#### Biological Sciences

**BIOLOGY 110 BOB: BIOLOGY OF THE BRAIN ... BOB: Biology of the Brain, is a freshman-level introductory course that will cover broad topics of Scientific Method, Scientific Thinking, and initiate critical thinking skills using the field of neuroscience as the backdrop for investigation. Basic understanding of nerve biology, nerve cell function, communication between nerve cells will follow. The course will climax with a survey of the final product of nerve activity: behavior. Not applicable to Biology Emphases or Biology Minors. Three hours of lecture per week. Offered every semester.**

**COREQ: MATH 141 OR 140 OR WAIVER**

#4839 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

09/02-12/22 TR 02:15 PM - 03:30 PM UH0140 Michael J Woller

**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.**

#3337 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

09/02-12/22 MWF 08:50 AM - 09:40 AM UH0142 Stephen L Solheim

#3449 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM)

PREREQ: RESTRICTED TO BSE STUDENTS

09/02-12/22 MWF 11:00 AM - 11:50 AM UH0238 Brett C Woods

### CHEMISTRY

#### Chemistry

**CHEM 150 SCIENCE AND TECHNOLOGY IN SOCIETY ... This course examines basic scientific concepts, technological advances, and their impact upon society. Science processes will be examined to illustrate how knowledge is acquired. Advantages and limitations of the scientific method will be considered. The effect of science and technology on society will be a continuing theme.**

**COREQ: MATH 141 OR 140 OR WAIVER**

#3553 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)

09/02-12/22 MWF 09:55 AM - 10:45 AM UH0144 Margaret F Phillips

### 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**

#3705 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is an entirely web-based section taught out of D2L. Contact the instructor for additional information. Required additional course fee is \$150.

09/02-12/22 Arranged Arranged WEB BASED Rex A Hanger

### 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**

#4003 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.

09/02-12/22 MW 08:50 AM - 09:40 AM MG0115 Jiehui Ma

09/02-12/22 F Arranged WEB BASED Jiehui Ma

#4005 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.

09/02-12/22 MW 09:55 AM - 10:45 AM MG0115 Jiehui Ma

09/02-12/22 F Arranged WEB BASED Jiehui Ma

#4031 Section 03 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.

09/02-12/22 MW 01:10 PM - 02:00 PM MG0115 Zhengnan Shi

09/02-12/22 F Arranged WEB BASED Zhengnan Shi

#4039 Section 04 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.

09/02-12/22 MW 02:15 PM - 03:05 PM MG0115 Zhengnan Shi

09/02-12/22 F Arranged WEB BASED Zhengnan Shi

Class# Section (Units) General Education Designation (if any)

<u>Start/End Dates</u>	<u>Meeting Days</u>	<u>Meeting Times</u>	<u>Location</u>	<u>Instructor</u>	<u>Course Topic (if applicable)</u>
#4041 Section 05	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.		
09/02-12/22	W	06:15 PM - 08:45 PM	MG0115	Robert L Horton	
#4043 Section 06	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.		
09/02-12/22	MW	11:00 AM - 11:50 AM	MG0115	Lopamudra Mukherjee	
09/02-12/22	F	Arranged	WEB BASED	Lopamudra Mukherjee	
#4045 Section 07	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: This is a hybrid class which meets F on-line and MW in the classroom each week.		
09/02-12/22	MW	12:05 PM - 12:55 PM	MG0115	Lopamudra Mukherjee	
09/02-12/22	F	Arranged	WEB BASED	Lopamudra Mukherjee	
#5302 Section 08	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: This is a web-base class. Required additional course fee is \$150. This class uses Office 2007; students will need to have access to this software in order to successfully complete this class.		
09/02-12/22	Arranged	Arranged	WEB BASED	Lopamudra Mukherjee	
#6016 Section 09	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	08:50 AM - 09:40 AM	HY0210	Zhengnan Shi	
09/02-12/22	F	Arranged	WEB BASED	Zhengnan Shi	
#6021 Section 10	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	12:30 PM - 01:45 PM	HY0210	Hien M Nguyen	

**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**

#4007 Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	11:00 AM - 12:15 PM	MG0115	Jiehui Ma	
#4009 Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	09:30 AM - 10:45 AM	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**

#4027 Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	01:10 PM - 02:00 PM	HH1314	Robert P Siemann	
#4035 Section 04	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	09:55 AM - 10:45 AM	HY0210	Zhengnan Shi	

## 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.**

#3799 Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	12:30 PM - 01:45 PM	HY0216	Malvina F Baica	
#3801 Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	02:15 PM - 03:30 PM	HY0216	Malvina F Baica	
#3803 Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	W	06:15 PM - 08:45 PM	HY0216	Malvina F Baica	
#3805 Section 04	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	12:30 PM - 01:45 PM	HE0215	Sobitha W Samaranayake	
#3807 Section 05	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	02:15 PM - 03:30 PM	HE0215	Sobitha W Samaranayake	
#3809 Section 06	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	02:15 PM - 03:30 PM	HE0215	Lopamudra Mukherjee	
#3811 Section 07	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	11:00 AM - 11:50 AM	HE0219	Bennette R Harris	
#3813 Section 08	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	02:15 PM - 03:30 PM	UH0144	Tamas Szabo	
#3815 Section 09	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	03:45 PM - 05:00 PM	UH0144	Tamas Szabo	
#3817 Section 10	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	09:55 AM - 10:45 AM	HE0117	William T Mickelson	
#3819 Section 11	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	08:50 AM - 09:40 AM	HE0117	William T Mickelson	

<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>
#3821 Section 12	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	11:00 AM - 12:15 PM	HE0215	Gado A Ongwela	
#3823 Section 13	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	02:15 PM - 03:30 PM	MG0125	Gado A Ongwela	
#3825 Section 14	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	03:45 PM - 05:00 PM	HE0215	Gado A Ongwela	
#3827 Section 15	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	08:50 AM - 09:40 AM	HH1302	C V Rao	
#3939 Section 16	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	09:55 AM - 10:45 AM	HH1303	C V Rao	
#3829 Section 17	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	03:20 PM - 04:35 PM	HE0100	Thomas L McFarland	
#3831 Section 18	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	04:50 PM - 06:05 PM	HE0100	Thomas L McFarland	
#3925 Section 19	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	02:15 PM - 03:30 PM	HH1303	Angela K Harris	
#3927 Section 20	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	03:45 PM - 05:00 PM	HH1303	Angela K Harris	
#3931 Section 21	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	11:00 AM - 12:15 PM	UH0144	Gary B Klatt	
#3933 Section 22	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	TR	12:30 PM - 01:45 PM	HE0100	Gary B Klatt	
#3935 Section 23	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	12:05 PM - 12:55 PM	HH1306	James Trier	
#5187 Section 24	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	11:00 AM - 11:50 AM	HE0211	Gary B Klatt	
#5188 Section 25	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	02:15 PM - 03:30 PM	WH3011	To Be Arranged	
#6017 Section 26	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	02:15 PM - 03:05 PM	HH1314	Robert P Siemann	

**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**

#3745 Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)			NOTE: Required additional course fee is \$42.00 for a manipulative math kit.
09/02-12/22	MWF	08:50 AM - 09:40 AM	HY0216	Angela K Harris	
#3747 Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)			NOTE: Required additional course fee is \$42.00 for a manipulative math kit.
09/02-12/22	MWF	09:55 AM - 10:45 AM	HY0216	Angela K Harris	
#3749 Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)			NOTE: Required additional course fee is \$42.00 for a manipulative math kit.
09/02-12/22	TR	12:30 PM - 01:45 PM	UH0144	Ruth S Whitmore	
#3751 Section 04	[units: 3]	Gen Ed Math/Natural Sciences (GM)			NOTE: Required additional course fee is \$42.00 for a manipulative math kit.
09/02-12/22	TR	02:15 PM - 03:30 PM	UH0144	Ruth S Whitmore	

**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.**

#3957 Section 01	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MTWRF	08:50 AM - 09:40 AM	HE0112	Peter H Lampe	
#3833 Section 02	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MTWRF	09:55 AM - 10:45 AM	MG0125	Peter H Lampe	
#3835 Section 03	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MW	02:15 PM - 03:05 PM	HE0112	Leon M Arriola	
09/02-12/22	TR	02:15 PM - 03:30 PM	HE0112	Leon M Arriola	
#3909 Section 04	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MTWRF	01:10 PM - 02:00 PM	HE0112	Pawel Felcyn	
#3961 Section 05	[units: 5]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MTWRF	11:00 AM - 11:50 AM	HE0112	Pawel Felcyn	

**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.**

#3839 Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)			
09/02-12/22	MWF	01:10 PM - 02:00 PM	UH0144	Bennette R Harris	

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

**MATH 231 UNDERSTANDING PROBABILITY AND STATISTICS ...** A pre-calculus course in probability and statistics. Descriptive statistics, classical probability, probability distributions, prediction, parametric and nonparametric hypothesis testing, correlation, regression, and use of some statistical software. This course does not count towards a mathematics major or minor in liberal arts or towards a mathematics major in secondary education. This course may not be taken for credit if credit has been or is being earned in any other statistics course.

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

#3841 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MWF 01:10 PM - 02:00 PM HH1306 James Trier

**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**

#3843 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 TR 12:30 PM - 01:45 PM MG0122 Robert P Siemann  
#3845 Section 02 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 TR 03:45 PM - 05:00 PM MG0117 Athula D. A. Gunawardena  
#3847 Section 03 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 TR 02:15 PM - 03:30 PM MG0121 Athula D. A. Gunawardena  
#3849 Section 04 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MW 02:15 PM - 03:30 PM MG0125 Gado A Ongwela  
#3981 Section 05 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MW 03:45 PM - 05:00 PM MG0125 Gado A Ongwela  
#3983 Section 06 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MWF 12:05 PM - 12:55 PM HH1305 C V Rao  
#5315 Section 07 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MWF 01:10 PM - 02:00 PM HH1305 C V Rao

**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**

#3851 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MW 02:15 PM - 03:05 PM HE0100 Thomas L McFarland  
09/02-12/22 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**

#3853 Section 01 [units: 5] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MTWRF 08:50 AM - 09:40 AM HH1312 Bennette R Harris  
#3959 Section 02 [units: 5] Gen Ed Math/Natural Sciences (GM) NOTE: This is a hybrid class which meets on-line M and in the classroom TWRF each week.  
09/02-12/22 TR 01:10 PM - 02:00 PM HE0211 Fe S Evangelista  
09/02-12/22 M Arranged WEB BASED Fe S Evangelista  
09/02-12/22 WF 01:10 PM - 02:00 PM HY0211 Fe S Evangelista  
#6027 Section 03 [units: 5] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 WF 01:10 PM - 02:00 PM HH2100 Julie A Letellier  
09/02-12/22 TR 01:10 PM - 02:00 PM HH2102 Julie A Letellier  
09/02-12/22 M Arranged WEB BASED Julie A Letellier

## PHYSICS

### Astronomy

**ASTRONOMY 114 DESCRIPTIVE ASTRONOMY ...** A non-laboratory course that introduces the basic aspects of astronomy, including cultural and historical considerations. The study of galaxies, stars, as well as our solar system is included. Observational activities and field trips may be included as integral parts of the course. Three one-hour lectures per week.

**COREQ: MATH 141 OR WAIVER**

#4103 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM)  
09/02-12/22 MWF 02:15 PM - 03:05 PM UH0141 Juliana T Constantinescu