

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

BIOLOGICAL SCIENCES**Biological Sciences**

BIOLOGY 120 BIOLOGICAL FOUNDATIONS (GL) ... A terminal course designed to introduce basic principles of life, such as structure and function, reproduction, evolution, diversity, and adaptation, leading to a broader understanding of man and his biological environment. Not applicable to biology emphases or minors. Three lectures and two hours of laboratory per week.

COREQ: MATH 141 OR MATH 140 OR WAIVER

#1910	Section 01	[units: 4]	Gen Ed Laboratory (GL)	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.				
	01/19-05/17	T	03:00 PM - 04:50 PM	UH0364	Ellen S Davis			
	01/19-05/17	TR	09:30 AM - 10:45 AM	UH0145	Daryle A Waechter-Brulla			
#1911	Section 02	[units: 4]	Gen Ed Laboratory (GL)	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.				
	01/19-05/17	T	01:00 PM - 02:50 PM	UH0364	Elisabeth A Harrayh			
	01/19-05/17	TR	09:30 AM - 10:45 AM	UH0145	Daryle A Waechter-Brulla			
#1914	Section 04	[units: 4]	Gen Ed Laboratory (GL)	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.				
	01/19-05/17	R	01:00 PM - 02:50 PM	UH0364	Michael J Woller			
	01/19-05/17	TR	09:30 AM - 10:45 AM	UH0145	Daryle A Waechter-Brulla			
#1913	Section 05	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	M	02:00 PM - 03:50 PM	UH0364	Kris Curran			
	01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0145	Brian J O'Neill			
#1915	Section 06	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	R	11:00 AM - 12:50 PM	UH0364	To Be Arranged			
	01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0145	Brian J O'Neill			
#1939	Section 07	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	W	01:00 PM - 02:50 PM	UH0364	Elisabeth A Harrayh			
	01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0145	Brian J O'Neill			
#1940	Section 08	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	R	09:00 AM - 10:50 AM	UH0364	Linda C Eshelman			
	01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0145	Brian J O'Neill			
#1941	Section 09	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	W	11:00 AM - 12:50 PM	UH0364	Michael J Woller			
	01/19-05/17	MW	02:00 PM - 03:15 PM	UH0145	Brett C Woods			
#1942	Section 10	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	T	09:00 AM - 10:50 AM	UH0364	Kris Curran			
	01/19-05/17	MW	02:00 PM - 03:15 PM	UH0145	Brett C Woods			
#1943	Section 11	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	T	11:00 AM - 12:50 PM	UH0364	Brett C Woods			
	01/19-05/17	MW	02:00 PM - 03:15 PM	UH0145	Brett C Woods			
#1945	Section 13	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	T	01:00 PM - 02:50 PM	UH0356	Stephen L Solheim			
	01/19-05/17	MWF	08:00 AM - 08:50 AM	UH0145	George V Clokey			
#2040	Section 15	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	W	01:00 PM - 02:50 PM	UH0356	Heather R Pelzel			
	01/19-05/17	MWF	08:00 AM - 08:50 AM	UH0145	George V Clokey			
#1978	Section 16	[units: 4]	Gen Ed Laboratory (GL)					
	01/19-05/17	R	01:00 PM - 02:50 PM	UH0356	Stephen L Solheim			
	01/19-05/17	MWF	08:00 AM - 08:50 AM	UH0145	George V Clokey			
#1979	Section 17	[units: 4]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course. Lecture meeting are online, except for exams which will be held in person.				
	01/19-05/17	T	09:00 AM - 10:50 AM	UH0356	Robert K Kuzoff			
	01/19-05/17	TR	05:00 PM - 06:15 PM	UH0145	Michael J Woller			
	01/19-05/17	Arranged	Arranged	WEB BASED	Michael J Woller			
#1980	Section 18	[units: 4]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course. Lecture meeting are online, except for exams which will be held in person.				
	01/19-05/17	T	11:00 AM - 12:50 PM	UH0356	Robert K Kuzoff			
	01/19-05/17	TR	05:00 PM - 06:15 PM	UH0145	Michael J Woller			
	01/19-05/17	Arranged	Arranged	WEB BASED	Michael J Woller			
#1981	Section 19	[units: 4]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course. Lecture meeting are online, except for exams which will be held in person.				
	01/19-05/17	T	03:00 PM - 04:50 PM	UH0356	Stephen L Solheim			
	01/19-05/17	TR	05:00 PM - 06:15 PM	UH0145	Michael J Woller			
	01/19-05/17	Arranged	Arranged	WEB BASED	Michael J Woller			

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

<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>
#1982 Section 20	[units: 4]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course. Lecture meeting are online, except for exams which will be held in person.		
01/19-05/17	R	11:00 AM - 12:50 PM	UH0356	To Be Arranged	
01/19-05/17	TR	05:00 PM - 06:15 PM	UH0145	Michael J Woller	
01/19-05/17	Arranged	Arranged	WEB BASED	Michael J Woller	
#2032 Section 21	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/17	W	11:00 AM - 12:50 PM	UH0356	George V Clokey	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0145	George V Clokey	
#2043 Section 22	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/17	R	09:00 AM - 10:50 AM	UH0356	George V Clokey	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0145	George V Clokey	
#2054 Section 23	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/17	W	03:00 PM - 04:50 PM	UH0356	Nicholas P Tippery	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0145	George V Clokey	
#1912 Section 24	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/17	F	09:00 AM - 10:50 AM	UH0356	George V Clokey	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0145	George V Clokey	
BIOLOGY 141 INTRODUCTORY BIOLOGY I (GL) ... An introduction to biology emphasizing the chemistry of life, the cell, metabolism, genetics, bacteria and protists. Three hours of lecture and one hour of discussion and two hours of laboratory per week. This course is prerequisite to all advanced courses in biology for majors and minors. Offered every term.					
PREREQ: MATH 141 WITH GRADE OF C OR BETTER					
#4535 Section 01	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	W	02:00 PM - 03:00 PM	UH0312	Andrea Romero	DISCUSSION
01/19-05/17	W	03:00 PM - 04:50 PM	UH0312	Andrea Romero	
01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0140	Kris Curran	
#1917 Section 01X	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	W	02:00 PM - 03:00 PM	UH0312	Andrea Romero	DISCUSSION
01/19-05/17	W	03:00 PM - 04:50 PM	UH0312	Andrea Romero	
01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0140	Kris Curran	
#1918 Section 02	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	T	02:00 PM - 03:00 PM	UH0312	Nathaly Cormier	DISCUSSION
01/19-05/17	T	03:00 PM - 04:50 PM	UH0312	Nathaly Cormier	
01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0140	Kris Curran	
#1946 Section 03	[units: 5]	Gen Ed Laboratory (GL)	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.		
01/19-05/17	R	02:00 PM - 03:00 PM	UH0312	Linda C Eshelman	DISCUSSION
01/19-05/17	R	03:00 PM - 04:50 PM	UH0312	Linda C Eshelman	
01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0140	Kris Curran	
#1947 Section 04	[units: 5]	Gen Ed Laboratory (GL)	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.		
01/19-05/17	R	09:00 AM - 10:00 AM	UH0312	Brian J O'Neill	DISCUSSION
01/19-05/17	R	10:00 AM - 11:50 AM	UH0312	Brian J O'Neill	
01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0140	Kris Curran	
#1969 Section 05	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	F	09:00 AM - 10:00 AM	UH0312	Nathaly Cormier	DISCUSSION
01/19-05/17	F	10:00 AM - 11:50 AM	UH0312	Nathaly Cormier	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0140	Nadine L Kriska	
#1987 Section 06	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	T	09:00 AM - 10:00 AM	UH0312	Andrea Romero	DISCUSSION
01/19-05/17	T	10:00 AM - 11:50 AM	UH0312	Andrea Romero	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0140	Nadine L Kriska	
#4234 Section 07	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	W	09:00 AM - 10:00 AM	UH0312	Linda C Eshelman	DISCUSSION
01/19-05/17	W	10:00 AM - 11:50 AM	UH0312	Linda C Eshelman	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0140	Nadine L Kriska	
#4614 Section 08	[units: 5]	Gen Ed Laboratory (GL)			
01/19-05/17	Arranged			Nadine L Kriska	
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0140	Nadine L Kriska	

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

BIOLOGY 142 INTRODUCTORY BIOLOGY II (GL) ... An introduction to biology emphasizing evolution, animal physiology, ecology, fungal, plant and animal diversity. Dissections are required. Three hours of lecture, one hour of discussion and two hours of laboratory per week. This course is prerequisite to all advanced courses in biology for majors and minors. Offered every term.

PREREQ: BIOLOGY 141 AND MATH 141 BOTH WITH A GRADE OF C OR BETTER

#1920	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/17	M	02:00 PM - 03:00 PM	UH0306	Linda C Eshelman	DISCUSSION	
	01/19-05/17	M	03:00 PM - 04:50 PM	UH0306	Linda C Eshelman		
	01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0145	Joshua M Kapfer		
#2051	Section 02	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/17	W	02:00 PM - 03:00 PM	UH0306	Brian J O'Neill	DISCUSSION	
	01/19-05/17	W	03:00 PM - 04:50 PM	UH0306	Brian J O'Neill		
	01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0145	Joshua M Kapfer		
#4235	Section 03	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/17	T	09:00 AM - 10:00 AM		Anneke Els Lisberg	DISCUSSION	
	01/19-05/17	T	10:00 AM - 11:50 AM		Anneke Els Lisberg		
	01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0145	Joshua M Kapfer		
#1948	Section 03X	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/17	T	09:00 AM - 10:00 AM	UH0306	Anneke Els Lisberg	DISCUSSION	
	01/19-05/17	T	10:00 AM - 11:50 AM	UH0306	Anneke Els Lisberg		
	01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0145	Joshua M Kapfer		
#1955	Section 04	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/17	W	09:00 AM - 10:00 AM	UH0306	Nadine L Kriska	DISCUSSION	
	01/19-05/17	W	10:00 AM - 11:50 AM	UH0306	Nadine L Kriska		
	01/19-05/17	MW	03:30 PM - 04:45 PM	UH0142	Nadine L Kriska		
#1967	Section 05	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/17	T	02:00 PM - 03:00 PM	UH0306	Linda C Eshelman	DISCUSSION	
	01/19-05/17	T	03:00 PM - 04:50 PM	UH0306	Linda C Eshelman		
	01/19-05/17	MW	03:30 PM - 04:45 PM	UH0142	Nadine L Kriska		

BIOLOGY 200 WRITING IN BIOLOGY ... This course is designed to develop the written communication skills of Biology students. It satisfies the Writing Proficiency requirement for all Biology majors. The two units do not apply towards any Biology major or minor.

PREREQ: ENGLISH 102, BIOLOGY 141 & BIOLOGY 142 ALL WITH A GRADE OF C OR BETTER

#4260 Section 01C [units: 3] NOTE: This is a web based course. An additional fee of \$150 will be assessed for this course.

01/19-05/17	Arranged	Arranged	WEB BASED	Nadine L Kriska
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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.

#1949	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)				
	01/19-05/17	TR	11:00 AM - 12:15 PM	UH0142	Stephen L Solheim		
#1971	Section 02	[units: 3]	Gen Ed Math/Natural Sciences (GM)		NOTE: Restricted to students with BSE curriculum		
	01/19-05/17	MW	11:00 AM - 12:15 PM	UH0142	Elisabeth A Harrahy		
#2060	Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)				
	01/19-05/17	MW	02:00 PM - 03:15 PM	UH0140	George V Clokey		

BIOLOGY 220 INTRODUCTION TO EPIDEMIOLOGY (GM) ... Introduction to basic principles of tracking changes in health indicators and problems in modern society. We will cover both current and historical cases to learn techniques of gathering information, analysis, and application. Problems will include infectious diseases, environmental problems, and other areas of concern in population health.

PREREQ: MATH 141 OR WAIVER OF MATH 141

#4259	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)				
	01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0302	Daryle A Waechter-Brulla		

BIOLOGY 225 SCIENCE OF FORENSIC ANALYSIS ... An introduction to the scientific foundation of techniques used for criminal investigation.

PREREQ: MATH 141 AND TWO UNIVERSITY LEVEL LAB SCIENCE COURSES.

#1953	Section 01	[units: 4]					
	01/19-05/17	M	02:00 PM - 04:50 PM	UH0302	Daryle A Waechter-Brulla		
	01/19-05/17	MWF	01:00 PM - 01:50 PM	UH0302	Daryle A Waechter-Brulla		

BIOLOGY 251 INTRODUCTION TO GENETICS ... An introduction to the general principles of inheritance; subjects included are basic transmission genetics, molecular genetics, genetic engineering, mutations, and population genetics. Three hours of lecture and three hours of lab per week. Offered every semester.

PREREQ: BIOLOGY 141, BIOLOGY 142, MATH 141 AND CHEM 102, ALL WITH A GRADE OF C OR BETTER

#1922 Section 01 [units: 4] NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.

	01/19-05/17	W	12:00 PM - 02:50 PM	UH0206	Nadine L Kriska		
	01/19-05/17	TR	09:30 AM - 10:45 AM	UH0142	Nicholas P Tippery		

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

Start/End Dates	Meeting Days	Meeting Times	Location	Instructor	Course Topic (if applicable)
#1923 Section 02 [units: 4]	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.				
01/19-05/17	W	09:00 AM - 11:50 AM	UH0206	Nicholas P Tippery	
01/19-05/17	TR	09:30 AM - 10:45 AM	UH0142	Nicholas P Tippery	
#1959 Section 03 [units: 4]	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.				
01/19-05/17	T	10:00 AM - 12:50 PM	UH0206	Kirsten Crossgrove	
01/19-05/17	MWF	01:00 PM - 01:50 PM	UH0142	Kirsten Crossgrove	
#2044 Section 04 [units: 4]	NOTE: The lecture for this course requires purchase of a Clicker. Clickers can be purchased at the UWW Bookstore.				
01/19-05/17	T	02:00 PM - 04:50 PM	UH0206	Kirsten Crossgrove	
01/19-05/17	MWF	01:00 PM - 01:50 PM	UH0142	Kirsten Crossgrove	

BIOLOGY 253 INTRODUCTION TO CELL BIOLOGY ... Introduction to the chemical and physical bases of life; bacterial and eukaryotic cell structure and function; cellular respiration; photosynthesis; and molecular biology. Three hours of lecture per week. Offered every semester.

PREREQ: BIOLOGY 142 WITH A GRADE OF C OR BETTER AND CHEM 102 WITH A GRADE OF C OR BETTER. COREQ: CHEM 104

#1924 Section 01 [units: 3]					
01/19-05/17	TR	08:00 AM - 09:15 AM	UH0142	Peter W Mesner	
#1956 Section 02 [units: 3]					
01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0142	Heather R Pelzel	

BIOLOGY 254 BIOTECHNOLOGY LABORATORY METHODS I ... Introduction to theory and practice in modern molecular biology labs, including principles of nucleic acid isolation/quantitation/manipulation, photometry, centrifugation, electrophoresis, and assay methods. Exercises include basic lab methods and techniques, DNA analysis including cloning, polymerase chain reaction (PCR) restriction digests and RNA analysis. Three hours laboratory per week.

PREREQ: BIOLOGY 251 WITH A GRADE OF C OR BETTER AND CHEM 104 WITH A GRADE OF C OR BETTER

#1960 Section 01 [units: 2]					
01/19-05/17	M	01:00 PM - 03:50 PM	UH0206	Nathaly Cormier	
#2056 Section 02 [units: 2]					
01/19-05/17	R	09:00 AM - 11:50 AM	UH0206	Nathaly Cormier	
#1972 Section 03 [units: 2]					
01/19-05/17	R	01:00 PM - 03:50 PM	UH0206	Nathaly Cormier	

BIOLOGY 257 INTRODUCTION TO ECOLOGY ... A survey of ecosystems and animal and plant populations and communities. Topics include review of the Earth's major biomes and the physical factors that influence them, the ecology and evolution of populations, the nature of biotic communities, the structure and function of ecosystems, and the status and protection of biodiversity. Three hours of lecture per week. Optional field trip. Offered every semester.

PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF C OR BETTER; UNREQ: BIOLOGY 214

#1950 Section 01 [units: 3]					
01/19-05/17	TR	08:00 AM - 09:15 AM	UH0140	Stephen L Solheim	
#1961 Section 02 [units: 3]					
01/19-05/17	MWF	08:00 AM - 08:50 AM	UH0238	Brian J O'Neill	
#1989 Section 03 [units: 3]					
01/19-05/17	TR	03:30 PM - 04:45 PM	UH0142	Bruce David Eshelman	

BIOLOGY 258 FIELD EXPERIENCE ... Introduction to regional terrestrial and aquatic biological communities and field techniques for studying these communities. Field work and lectures will emphasize recognition of biotic community types, interpretation of their dynamics, and methods for identifying and surveying organisms. Weekend field trip required. Registration priority given to Ecology/Field majors.

PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF "C" OR BETTER; COREQ: BIOLOGY 257

#2027 Section 01 [units: 2]	NOTE: Required additional course fee is \$25.00.				
03/14-05/17	MF	01:00 PM - 04:50 PM	UH0360	Joshua M Kapfer	
#2887 Section 02 [units: 2]					
03/14-05/17	MF	01:00 PM - 04:50 PM	UH0310	Elisabeth A Harrahy	

BIOLOGY 301 INTRODUCTION TO BEHAVIORAL NEUROSCIENCE ... A survey of the biological and physiological bases of human and animal behavior, with particular attention to the following: Basic principles of the anatomy, physiology, and biochemistry of the nervous system; sensory and motor systems; sleep; circadian rhythms; sexual behavior; emotion and stress; motivation; learning, memory, and language; neurological disorders; psychopathology.

PREREQ: PSYCH 211 OR BIOLOGY 110 OR 4 CREDITS IN BIOLOGY

#2028 Section 01 [units: 3]					
01/19-05/17	MW	03:30 PM - 04:45 PM	UH0140	Meg A Waraczynski	

BIOLOGY 303 BIostatistics ... Students will learn fundamentals of hypothesis formation and testing, using a variety of univariate statistical methods. Consideration of experimental design and the evaluation of research methodologies published in the biological literature are explored in detail. Students will gain practical experience with implementation of statistical analyses using real world datasets and communicating these results effectively.

PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF C OR BETTER AND MATH 141 WITH A GRADE OF C OR BETTER

#1929 Section 01 [units: 4]					
01/19-05/17	T	11:00 AM - 12:50 PM	UH0302	Bruce David Eshelman	
01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0140	Bruce David Eshelman	

Start/End Dates	Meeting Days	Meeting Times	Location	Instructor	Course Topic (if applicable)
#1930 Section 02 [units: 4]					
01/19-05/17	W	11:00 AM - 12:50 PM	UH0360	Bruce David Eshelman	
01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0140	Bruce David Eshelman	

BIOLOGY 311 MICROBIOLOGY ... Examination of organisms too small to be seen by the unaided eye, ranging from their molecular organization to their role in global ecology. Primary emphasis will be the study of bacteria and viruses, their beneficial or detrimental impacts on humans, animals, and plants, and their current and potential exploitation. Two lectures and two labs per week. Offered every term.

PREREQ: BIOLOGY 141, BIOLOGY 142, BIOLOGY 251, BIOLOGY 253, CHEM 102, CHEM 104 WITH A GRADE OF C OR BETTER; COREQ: CHEM 251 (RECOMMENDED ONLY)

#1975 Section 01 [units: 4]					
01/19-05/17	T	09:00 AM - 11:50 AM	UH0202	Heather R Pelzel	
01/19-05/17	MWF	10:00 AM - 10:50 AM	WH1014	Heather R Pelzel	
#1985 Section 02 [units: 4]					
01/19-05/17	T	01:00 PM - 03:50 PM	UH0202	Heather R Pelzel	
01/19-05/17	MWF	10:00 AM - 10:50 AM	WH1014	Heather R Pelzel	

BIOLOGY 315 BIRDING IN SOUTHERN WISCONSIN ... An introduction to birding skills and the identification of the more than 200 bird species of southern Wisconsin. Early morning field trips are mandatory. Online lectures and learning activities alternate with outdoor field trips. Reliable computer and on-line access as well as a strong sense of self-discipline are required.

PREREQ: SOPHOMORE STANDING, C OR BETTER IN A PREVIOUS GL COURSE, AND PERMISSION FO THE INSTRUCTOR ALL REQUIRED

#4258 Section 01 [units: 2]					Instructor Consent
01/19-05/17	R	07:00 AM - 10:50 AM	UH0202	Ellen S Davis	

BIOLOGY 341 DEVELOPMENTAL BIOLOGY ... Explores the processes of embryonic development in plants and animals, emphasizing the experimental basis of contemporary knowledge in embryogenesis, morphogenesis, and in cell and tissue differentiation. The laboratory illustrates principles and processes in early development and includes the use of basic microscopy and imaging techniques to study embryonic processes. Skills in observation, experimental design, and data presentation will be developed.

PREREQ: BIOLOGY 251 AND BIOLOGY 253 WITH A GRADE OF C OR BETTER OR EQUIVALENTS

#2030 Section 01L [units: 4]					
01/19-05/17	T	02:00 PM - 04:50 PM	UH0360	Kris Curran	
01/19-05/17	MWF	09:00 AM - 09:50 AM	UH0360	Kris Curran	

BIOLOGY 345 ANIMAL PHYSIOLOGY ... A study of the functional mechanisms that underlie the life processes in animals. Six hours of laboratory and lecture per week.

PREREQ: BIOLOGY 253 WITH A GRADE OF C OR BETTER OR EQUIVALENT

#1937 Section 01 [units: 4]					
01/19-05/17	T	02:00 PM - 04:50 PM	UH0266	Brett C Woods	
01/19-05/17	MW	09:30 AM - 10:45 AM	UH0238	Brett C Woods	

BIOLOGY 353 PLANT TAXONOMY ... The principles of plant classification and identification, with emphasis on flowering plants of this region. Lectures, laboratories and field trips.

PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF C OR BETTER OR CONSENT OF INSTRUCTOR

#1963 Section 01L [units: 3]		NOTE: Required additional lab fee is \$15.00			
01/19-05/17	R	03:00 PM - 05:00 PM	UH0360	Nicholas P Tippery	
01/19-05/17	TR	02:00 PM - 02:50 PM	UH0302	Nicholas P Tippery	

BIOLOGY 361 HUMAN ANATOMY AND PHYSIOLOGY I ... A study of the structure and function of the human body at the level of organs and systems. This course covers the following topics: Anatomical Structure, Basic Histology, Bones, Muscles, and Nervous System. Three hours of lecture and three hours of laboratory per week.

PREREQ: BIOLOGY 120 WITH A GRADE OF C OR BETTER OR BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF C OR BETTER OR CONSENT OF INSTRUCTOR

#1957 Section 01L [units: 4]					
01/19-05/17	M	09:00 AM - 11:50 AM	UH0266	Ellen S Davis	
01/19-05/17	TR	12:30 PM - 01:45 PM	UH0142	Ellen S Davis	
#1973 Section 02L [units: 4]					
01/19-05/17	T	09:00 AM - 11:50 AM	UH0266	Michael J Woller	
01/19-05/17	TR	12:30 PM - 01:45 PM	UH0142	Ellen S Davis	
#2057 Section 03 [units: 4]					
01/19-05/17	W	01:00 PM - 03:50 PM	UH0266	Ellen S Davis	
01/19-05/17	TR	12:30 PM - 01:45 PM	UH0142	Ellen S Davis	

BIOLOGY 362 HUMAN ANATOMY AND PHYSIOLOGY II ... A study of the structure and function of the human body at the level of organs and systems. This is the second term course of a two term sequence. This course represents coverage of the following topics: Endocrinology, Circulatory System, Cardiac System, Lymphatic System, Respiration, Digestion and Metabolism, Renal, and Reproduction and Development. Three hours of lecture and three hours of laboratory per week.

PREREQ: BIOLOGY 361 WITH A GRADE OF C OR BETTER OR CONSENT OF INSTRUCTOR

#1932 Section 01 [units: 4]					
01/19-05/17	W	09:00 AM - 11:50 AM	UH0266	Anneke Els Lisberg	
01/19-05/17	TR	12:30 PM - 01:45 PM	HH2101	Anneke Els Lisberg	

Start/End Dates	Meeting Days	Meeting Times	Location	Instructor	Course Topic (if applicable)
#2888 Section 02 [units: 4]					
01/19-05/17	M	02:00 PM - 04:50 PM	UH0266	Anneke Els Lisberg	
01/19-05/17	TR	12:30 PM - 01:45 PM	HH2101	Anneke Els Lisberg	

BIOLOGY 363 MOLECULAR BIOLOGY ... The study of how nucleic acids and proteins interact to control the cell. Topics include DNA replication, chromosome structure, transcription, translation, control of gene expression, gene evolution and genomics. Experimental approaches to studying molecular biology are emphasized. Three hours of lecture per week.

PREREQ: BIOLOGY 251 AND BIOLOGY 253 WITH A GRADE OF C OR BETTER; COREQ: CHEM 251

#2031 Section 01C [units: 3]					
01/19-05/17	MWF	09:00 AM - 09:50 AM	WH3010	Kirsten Crossgrove	

BIOLOGY 390 BIOLOGY COLLOQUIUM ... Lecturer on current research and career opportunities in biology through the colloquium format. Required of Biology majors offered on a satisfactory/no credit basis every semester. May not be taken concurrently with Senior Biology Colloquium.

PREREQ: BIOLOGY 141, BIOLOGY 142 AND SOPHOMORE STATUS

#1934 Section 01 [units: 0.5]					
01/19-05/17	F	12:00 PM - 12:50 PM	UH0145	Brian J O'Neill	
S/NC Grading Basis Only					

BIOLOGY 400 SENIOR BIOLOGY COLLOQUIUM ... Continuation of Biological Sciences 630-390. Lectures on current research and career opportunities in biology through the colloquium format. Required of Biology majors. Offered on a satisfactory/no credit basis only. Offered every semester. May not be taken concurrently with BIOLOGY 390.

PREREQ: BIOLOGY 141, BIOLOGY 142, BIOLOGY 390 AND SENIOR STATUS

#1935 Section 01 [units: 0.5]					
01/19-05/17	F	12:00 PM - 12:50 PM	UH0145	Brian J O'Neill	
S/NC Grading Basis Only					

BIOLOGY 412 IMMUNOLOGY ... Study of the function of cells and tissues of the vertebrate immune system. Topics include biology of critical molecules and cells, principles of innate, acquired, and adoptive immunity, immunogenetics, allergy, inflammation, autoimmunity, vaccines, and transplantation. The lab provides experience with modern serological and immunological laboratory techniques and instrumentation. Three hours of lecture and three hours of laboratory per week.

PREREQ: BIOLOGY 251 AND BIOLOGY 253 WITH A GRADE OF C OR BETTER OR EQUIVALENTS

#2890 Section 01 [units: 4]					
01/19-05/17	M	01:00 PM - 03:50 PM	UH0202	Peter W Mesner	
01/19-05/17	TR	02:00 PM - 03:15 PM	UH0236	Peter W Mesner	

BIOLOGY 442 ENVIRONMENTAL TOXICOLOGY ... This course is an introduction to environmental toxicology that focuses on sources, transport, fate, accumulation, and toxicity of contaminants. Principles of toxicity testing and analysis of effects at different levels of biological organization (molecular to ecosystem) are covered. Information on select classes of contaminants, including emerging contaminants of concern are presented.

PREREQ: CHEM 102 AND BIOLOGY 214 OR BIOLOGY 257 WITH A GRADE OF C OR BETTER

#1964 Section 01C [units: 3]					
01/19-05/17	MWF	10:00 AM - 10:50 AM	UH0142	Elisabeth A Harray	
NOTE: Required additional course fee is \$25.00					

BIOLOGY 446 ORGANIC EVOLUTION ... History of evolutionary thought, evidences of evolution and analysis of evolutionary mechanisms and processes.

PREREQ: BIOLOGY 251 WITH A GRADE OF C OR BETTER AND EITHER (BIOLOGY 303, PSYCH 215, MATH 230, OR MATH 342) WITH A GRADE OF C OR BETTER.

#1933 Section 01 [units: 4]					
01/19-05/17	MWF	01:00 PM - 01:50 PM	UH0238	Robert K Kuzoff	
01/19-05/17	Arranged	Arranged	WEB BASED	Robert K Kuzoff	

BIOLOGY 448 BIOINFORMATICS ... Bioinformatics is an introduction to computer applications and algorithms currently used in the analysis of biological data, especially genomic and sequence data. The course entails lectures, discussions, readings and hands-on experience with bioinformatic software. Through exercises and individual research projects students acquire a working knowledge of contemporary computational methods and software.

PREREQ: BIOLOGY 141 WITH A GRADE OF C OR BETTER AND ONE OF THE FOLLOWING WITH A GRADE OF C OR BETTER: BIOLOGY 303, PSYCH 215, MATH 230, OR MATH 342

#1966 Section 01C [units: 3]					
01/19-05/17	TR	02:00 PM - 03:15 PM	UH0238	Robert K Kuzoff	

BIOLOGY 450 INTRODUCTORY ENTOMOLOGY ... An introduction to the biology and classification of insects. The course surveys insect structure, function, development, and evolution. Relevant insect physiology, ecology, and behavior are introduced. The laboratory surveys insect orders and a select group of Wisconsin families. An insect collection is required. Offered in the fall semester.

PREREQ: GRADE OF C OR BETTER IN BOTH BIOLOGY 141 & BIOLOGY 142

#2048 Section 01 [units: 4]					
01/19-05/17	R	09:00 AM - 11:50 AM	UH0302	Kerry R Katovich	
01/19-05/17	MWF	11:00 AM - 11:50 AM	UH0302	Kerry R Katovich	

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

BIOLOGY 456 BIOCHEMISTRY OF METABOLISM AND SIGNALING ... *The chemistry of biological systems, focusing on metabolism and biochemical signaling. Three lectures/week. For Chemistry majors (Biochemistry emphasis), Biology majors (allied health focus) and students interested in Biochemistry postgraduate education.*

PREREQ: C OR BETTER IN BIOLOGY 120 OR BIOLOGY 141 (OR EQUIVALENT) OR INSTRUCTOR CONSENT AND BIOLOGY 251 AND BIOLOGY 253 AND CHEM 251 OR CHEM 454 AND CHEM 251

#1983 Section 01 [units: 3]
01/19-05/17 TR 12:30 PM - 01:45 PM UH0141 Christopher T Veldkamp

BIOLOGY 457 GENERAL ECOLOGY ... *A study of biotic populations and communities and natural ecosystems. Contemporary ecological theory and techniques will be emphasized, as well as their applications to the preservation of natural communities. Laboratory exercises will include field studies, laboratory experiments, and computer simulations and analysis. Six hours of lecture or laboratory per week.*

PREREQ: BIOLOGY 251; BIOLOGY 257; BIOLOGY 258; BIOLOGY 303 ALL WITH A GRADE OF C OR BETTER OR EQUIVALENT; MATH 231 OR MATH 342 OR PSYCH 215 ALL WITH A GRADE OF C OR BETTER OR EQUIVALENT

#1977 Section 01 [units: 4] NOTE: Required additional course fee is \$25.
01/19-05/17 W 02:00 PM - 04:50 PM UH0360 Joshua M Kapfer
01/19-05/17 MWF 08:00 AM - 08:50 AM UH0360 Joshua M Kapfer

BIOLOGY 458 RESEARCH IN BIOCHEMISTRY ... *A laboratory course that teaches biochemical research techniques through guided original research projects.*

PREREQ: BIOLOGY 120 OR BIOLOGY 141 (OR EQUIVALENT) WITH A C OR BETTER AND CHEM 251 OR CONSENT OF INSTRUCTOR. COREQ: CHEM 454 OR BIOLOGY 456/CHEM 456

#2049 Section 01 [units: 2]
01/19-05/17 TR 08:00 AM - 10:45 AM UH0262 Christopher T Veldkamp

BIOLOGY 492 LABORATORY TEACHING EXPERIENCE ... *This course provides teaching experience at the college level for undergraduate students. Undergraduate teaching experience students will assist faculty members in preparing, delivering, and tearing down laboratory or discussion section instructional units in biology courses, conducting review sessions, and tutoring students under the direct supervision of a faculty mentor. S/NC only.*

PREREQ: GRADE OF B OR BETTER IN ASSIGNED COURSE AND A GPA OF 3.0 OR BETTER. APPROVAL OF FACULTY MENTOR AND THE BIOLOGICAL SCIENCES DEPARTMENT. □

#1925 Section 01 [units: 1] Dept. Consent
01/19-05/17 Arranged Arranged Peter W Mesner
S/NC Grading Basis Only

BIOLOGY 493 INTERNSHIP IN BIOLOGY ... *Variable topics.*

#1926 Section 01 [units: 1-12] Dept. Consent
01/19-05/17 Arranged Arranged Bruce David Eshelman
S/NC Grading Basis Only

BIOLOGY 498 INDEPENDENT STUDY ... *Typical projects may include helping researchers in conducting research projects or helping instructors develop pedagogical tools for their courses. Eligible students who are conducting their own research projects should enroll in Biology 498R. Repeatable for a maximum of 6 credits in major and degree or 2 units in the minor.*

PREREQ: BIOLOGY 141, BIOLOGY 142 AND A 2.0 GRADE POINT AVERAGE IN BIOLOGY

#1927 Section 01 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Kerry R Katovich
S/NC Grading Basis Only

#1984 Section 02X [units: 1-3]
01/19-05/17 Arranged Arranged George V Clokey
S/NC Grading Basis Only

#1991 Section 04 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Catherine W Chan
S/NC Grading Basis Only

#1992 Section 05 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Kirsten Crossgrove
S/NC Grading Basis Only

#1993 Section 06 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Kris Curran
S/NC Grading Basis Only

#1994 Section 07 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Ellen S Davis
S/NC Grading Basis Only

#1995 Section 08 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Bruce David Eshelman
S/NC Grading Basis Only

#1996 Section 09 [units: 1-3] Instructor Consent
01/19-05/17 Arranged Arranged Elisabeth A Harray
S/NC Grading Basis Only

<u>Class#</u>	<u>Section (Units)</u>	<u>General Education Designation (if any)</u>			<u>Location</u>	<u>Instructor</u>	<u>Course Topic (if applicable)</u>	<u>Consent</u>
<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>						
#1997	Section 10	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Joshua M Kapfer			
	S/NC Grading Basis Only							
#1998	Section 11	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Kerry R Katovich			
	S/NC Grading Basis Only							
#1999	Section 12	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Nadine L Kriska			
	S/NC Grading Basis Only							
#2000	Section 13	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Robert K Kuzoff			
	S/NC Grading Basis Only							
#2001	Section 14	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Anneke Els Lisberg			
	S/NC Grading Basis Only							
#2002	Section 15	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Peter W Mesner			
	S/NC Grading Basis Only							
#2003	Section 16	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Heather R Pelzel			
	S/NC Grading Basis Only							
#2004	Section 17	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Stephen L Solheim			
	S/NC Grading Basis Only							
#2005	Section 18	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Nicholas P Tippery			
	S/NC Grading Basis Only							
#2006	Section 19	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Michael J Woller			
	S/NC Grading Basis Only							
#2007	Section 20	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Brett C Woods			
	S/NC Grading Basis Only							
#2034	Section 21X	[units: 1-3]						
	LEARNCOM12-DOUBLE HELIX							
	01/19-05/17	Arranged	Arranged		George V Clokey			
	S/NC Grading Basis Only							
#2061	Section 22	[units: 1-3]						Instructor Consent
	01/19-05/17	Arranged	Arranged		Daryle A Waechter-Brulla			
	S/NC Grading Basis Only							

BIOLOGY 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... Students will complete and present an undergraduate research project under the director of a faculty mentor. Projects may require more than one semester to complete. Repeatable for a maximum of 6 units in major and degree or 2 in the minor.

PREREQ: BIOLOGY 141 AND BIOLOGY 142 AND 2.75 GPA IN BIOLOGY.

#1965	Section 01	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Kerry R Katovich			
#2008	Section 02	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Nathaly Cormier			
#2009	Section 03	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Catherine W Chan			
#2010	Section 04	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		George V Clokey			
#2011	Section 05	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Kirsten Crossgrove			
#2012	Section 06	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Kris Curran			
#2013	Section 07	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Ellen S Davis			
#2014	Section 08	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Bruce David Eshelman			
#2015	Section 09	[units: 1-3]						Dept. Consent
	01/19-05/17	Arranged	Arranged		Elisabeth A Harray			

<u>Class#</u>	<u>Section (Units)</u>	<u>General Education Designation (if any)</u>	<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>	<u>Consent</u>
#2016	Section 10		[units: 1-3] 01/19-05/17	Arranged	Arranged		Joshua M Kapfer		Dept. Consent
#2017	Section 11		[units: 1-3] 01/19-05/17	Arranged	Arranged		Kerry R Katovich		Dept. Consent
#2018	Section 12		[units: 1-3] 01/19-05/17	Arranged	Arranged		Nadine L Kriska		Dept. Consent
#2019	Section 13		[units: 1-3] 01/19-05/17	Arranged	Arranged		Robert K Kuzoff		Dept. Consent
#2020	Section 14		[units: 1-3] 01/19-05/17	Arranged	Arranged		Anneke Els Lisberg		Dept. Consent
#2021	Section 15		[units: 1-3] 01/19-05/17	Arranged	Arranged		Peter W Mesner		Dept. Consent
#2022	Section 16		[units: 1-3] 01/19-05/17	Arranged	Arranged		Heather R Pelzel		Dept. Consent
#2023	Section 17		[units: 1-3] 01/19-05/17	Arranged	Arranged		Stephen L Solheim		Dept. Consent
#2024	Section 18		[units: 1-3] 01/19-05/17	Arranged	Arranged		Nicholas P Tippery		Dept. Consent
#2025	Section 19		[units: 1-3] 01/19-05/17	Arranged	Arranged		Michael J Woller		Dept. Consent
#2026	Section 20		[units: 1-3] 01/19-05/17	Arranged	Arranged		Brett C Woods		Dept. Consent
#2033	Section 21		[units: 1-3] 01/19-05/17	Arranged	Arranged		Meg A Waraczynski		Dept. Consent
#4323	Section 22		[units: 1-3] 01/19-05/17	Arranged	Arranged		Andrea Romero		
#4503	Section 23		[units: 1-3] 01/19-05/17	Arranged	Arranged		Andrea Romero		

BIOLOGY 499 BIOLOGY THESIS ... A substantial research project written as a thesis. Two credits are taken in the first semester and three in the second semester. A proposal must be submitted at the midpoint of the first term and an oral defense takes place at the end of the second term. Thesis students must participate in BIOLOGY 498 discussions. Available only for senior students in Biology Honors Emphasis.

PREREQ: SENIOR STATUS

#1938	Section 01		[units: 2-3] 01/19-05/17	Arranged	Arranged		Nicholas P Tippery		Dept. Consent
#2050	Section 02		[units: 2-3] 01/19-05/17	Arranged	Arranged		Meg A Waraczynski		