

Start/End DatesMeeting DaysMeeting TimesLocationInstructorCourse Topic (if applicable)**BIOLOGICAL SCIENCES****Biological Sciences**

**BIOLOGY 120 BIOLOGICAL FOUNDATIONS ... 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 140 OR WAIVER**

#2708	Section 01	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	09:55 AM - 11:55 AM	UH0364	George V Clokey		
	01/19-05/19	TR	03:45 PM - 05:00 PM	UH0145	George V Clokey		
#2710	Section 02	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	01:10 PM - 03:10 PM	UH0364	George V Clokey		
	01/19-05/19	TR	03:45 PM - 05:00 PM	UH0145	George V Clokey		
#2712	Section 03	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	11:00 AM - 01:00 PM	UH0364	George V Clokey		
	01/19-05/19	TR	03:45 PM - 05:00 PM	UH0145	George V Clokey		
#2716	Section 04	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	08:50 AM - 10:50 AM	UH0364	Michael J Waller		
	01/19-05/19	TR	03:45 PM - 05:00 PM	UH0145	George V Clokey		
#2714	Section 05	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	08:50 AM - 10:50 AM	UH0364	Kris Curran		
	01/19-05/19	MW	02:15 PM - 03:30 PM	UH0145	Kris Curran		
#2718	Section 06	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	08:50 AM - 10:50 AM	UH0364	Stephen L Solheim		
	01/19-05/19	MW	02:15 PM - 03:30 PM	UH0145	Kris Curran		
#2772	Section 07	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	11:00 AM - 01:00 PM	UH0364	Anneke Els Lisberg		
	01/19-05/19	MW	02:15 PM - 03:30 PM	UH0145	Kris Curran		
#2774	Section 08	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	02:15 PM - 04:15 PM	UH0364	Anneke Els Lisberg		
	01/19-05/19	MW	02:15 PM - 03:30 PM	UH0145	Kris Curran		
#2776	Section 09	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	01:10 PM - 03:10 PM	UH0356	Brett C Woods		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0145	Ellen S Davis		
#2778	Section 10	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	11:00 AM - 01:00 PM	UH0356	Ellen S Davis		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0145	Ellen S Davis		
#2780	Section 11	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	03:10 PM - 05:10 PM	UH0356	Elisabeth A Harray		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0145	Ellen S Davis		
#2782	Section 12	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	11:00 AM - 01:00 PM	UH0356	Elisabeth A Harray		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0145	Ellen S Davis		
#2784	Section 13	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	03:10 PM - 05:10 PM	UH0356	Elisabeth A Harray		
	01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0145	Ellen S Davis		
#2786	Section 14	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	01:10 PM - 03:10 PM	UH0356	Brett C Woods		
	01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0145	Ellen S Davis		
#2788	Section 15	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	01:10 PM - 03:10 PM	UH0356	Ellen S Davis		
	01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0145	Ellen S Davis		
#2790	Section 16	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	01:00 PM - 03:00 PM	UH0356	Brett C Woods		
	01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0145	Ellen S Davis		
#3837	Section 17	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	08:50 AM - 10:50 AM	UH0356	Nadine L Kriska		
	01/19-05/19	TR	09:30 AM - 10:45 AM	UH0140	Nadine L Kriska		
#3839	Section 18	[units: 4]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	11:00 AM - 01:00 PM	UH0356	Nadine L Kriska		
	01/19-05/19	TR	09:30 AM - 10:45 AM	UH0140	Nadine L Kriska		

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

**BIOLOGY 141 INTRODUCTORY BIOLOGY I ... 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.**

**COREQ: MATH 141 OR WAIVER**

#2722	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	01:10 PM - 04:10 PM	UH0312	Robert K Kuzoff		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0140	Robert K Kuzoff		
#2724	Section 02	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	01:10 PM - 04:10 PM	UH0312	Robert K Kuzoff		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0140	Robert K Kuzoff		
#2794	Section 03	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	02:15 PM - 05:15 PM	UH0312	Nadine L Kriska		
	01/19-05/19	TR	02:15 PM - 03:30 PM	UH0142	Nadine L Kriska		
#2796	Section 04	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	08:50 AM - 11:50 AM	UH0312	Anneke Els Lisberg		
	01/19-05/19	TR	02:15 PM - 03:30 PM	UH0142	Nadine L Kriska		

**BIOLOGY 142 INTRODUCTORY BIOLOGY II ... 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 WITH A GRADE OF C OR BETTER**

#2728	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	08:50 AM - 11:50 AM	UH0306	Kerry R Katovich		
	01/19-05/19	MW	02:15 PM - 03:30 PM	UH0142	Anneke Els Lisberg		
#2744	Section 02	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	01:10 PM - 04:10 PM	UH0306	Anneke Els Lisberg		
	01/19-05/19	MW	02:15 PM - 03:30 PM	UH0142	Anneke Els Lisberg		
#2798	Section 03	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	02:15 PM - 05:15 PM	UH0306	Kerry R Katovich		
	01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0140	Kerry R Katovich		
#2826	Section 04X	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	08:50 AM - 11:50 AM	UH0306	George V Clokey		
	01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0140	Kerry R Katovich		

Dept. Consent

**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	UH0350	Elisabeth A Harray		

**BIOLOGY 225 SCIENCE OF FORENSIC ANALYSIS ... This is an introduction to the "Science" of Forensic Sciences. Students will understand what forensic science is and more importantly what it is not. Students will develop an understanding of the forensic scientist's need for different lab skills from different fields of science and develop a "Forensic Mindset".**

**PREREQ: MATH 141 AND TWO COURSES FROM DIFFERENT DISCIPLINES FROM THE FOLLOWING: BIOLOGY 120 OR BIOLOGY 141 OR CHEM 100 OR CHEM 102 OR PHYSCS 130 OR PHYSCS 160 OR PHYSCS 170**

#2822	Section 01	[units: 4]					
	01/19-05/19	M	02:15 PM - 05:15 PM	UH0202	Daryle A Waechter-Brulla		
	01/19-05/19	MWF	09:55 AM - 10:45 AM	UH0236	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 142 WITH A GRADE OF C OR BETTER AND CHEM 102 WITH A GRADE OF C OR BETTER. UNREQ: BIOLOGY 413**

#2732	Section 01	[units: 4]					
	01/19-05/19	W	08:50 AM - 11:50 AM	UH0206	Eric M Brown		
	01/19-05/19	TR	01:15 PM - 02:30 PM	UH0140	Eric M Brown		
#2734	Section 02	[units: 4]					
	01/19-05/19	W	02:15 PM - 05:15 PM	UH0206	George V Clokey		
	01/19-05/19	TR	01:15 PM - 02:30 PM	UH0140	Eric M Brown		
#2846	Section 03	[units: 4]					
	01/19-05/19	R	08:50 AM - 11:50 AM	UH0206	Eric M Brown		
	01/19-05/19	TR	01:15 PM - 02:30 PM	UH0140	Eric M Brown		

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**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**

#2736 Section 01 [units: 3]  
01/19-05/19 TR 08:00 AM - 09:15 AM UH0142 Peter W Mesner Jr  
#2832 Section 02 [units: 3]  
01/19-05/19 TR 08:00 AM - 09:15 AM UH0142 Peter W Mesner Jr

**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**

#2848 Section 01 [units: 2]  
01/19-05/19 T 09:30 AM - 12:30 PM UH0206 Kirsten Crossgrove  
#3825 Section 02 [units: 2]  
01/19-05/19 T 02:15 PM - 05:15 PM UH0206 Kirsten Crossgrove

**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**

#2806 Section 01 [units: 3]  
01/19-05/19 MWF 09:55 AM - 10:45 AM UH0142 Stephen L Solheim  
#3826 Section 02 [units: 3]  
01/19-05/19 MWF 09:55 AM - 10:45 AM UH0142 Stephen L Solheim

**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 BIOL 110 OR 4 CREDITS IN BIOLOGY**

#5055 Section 01 [units: 3]  
01/19-05/19 TR 11:00 AM - 12:15 PM WH4008 Meg A Waraczynski  
#5056 Section 02 [units: 3]  
01/19-05/19 MW 03:45 PM - 05:00 PM WH2013 Meg A Waraczynski

**BIOLOGY 303 PLANNING AND PRESENTING BIOLOGICAL RESEARCH ... Students will learn fundamentals of hypothesis formation and testing, experimental design, and to evaluate research methodologies published in the biological literature. Students will write about their own research, and become familiar with the standards for publication of research results. Critical analysis of quantitative methods in biology. Recommended for the Ecology and Field Biology emphasis; strongly encouraged for Cell Biology and Physiology emphasis.**

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

#2748 Section 01 [units: 4]  
01/19-05/19 T 09:30 AM - 11:30 AM UH0202 Bruce David Eshelman  
01/19-05/19 MWF 01:10 PM - 02:00 PM UH0142 Bruce David Eshelman  
#2750 Section 02 [units: 4]  
01/19-05/19 W 02:15 PM - 04:15 PM UH0250 Bruce David Eshelman  
01/19-05/19 MWF 01:10 PM - 02:00 PM UH0142 Bruce David Eshelman

**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**

#3828 Section 01L [units: 4]  
01/19-05/19 T 02:15 PM - 05:15 PM UH0360 Kris Curran  
01/19-05/19 MWF 09:55 AM - 10:45 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. Offered every fall.**

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

#2768 Section 01 [units: 4]  
01/19-05/19 R 02:15 PM - 05:15 PM UH0266 Michael J Woller  
01/19-05/19 TR 09:30 AM - 10:45 AM UH0266 Michael J Woller

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

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

#3830 Section 01 [units: 3]

01/19-05/19 MW 02:15 PM - 03:05 PM UH0350 Stephen L Solheim

#3831 Section 01L [units: 3]

NOTE: Required additional lab fee is \$15.00

01/19-05/19 W 03:05 PM - 05:05 PM UH0350 Stephen L Solheim

**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. Offered every fall term.*

**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**

#2834 Section 01L [units: 4]

01/19-05/19 M 01:10 PM - 04:10 PM UH0266 Peter W Mesner Jr

01/19-05/19 TR 12:30 PM - 01:45 PM UH0266 Peter W Mesner Jr

**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. Offered every spring term.*

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

#2754 Section 01 [units: 4]

01/19-05/19 W 01:10 PM - 04:10 PM UH0266 Brett C Woods

01/19-05/19 TR 11:00 AM - 12:15 PM UH0266 Brett C Woods

**BIOLOGY 363 MOLECULAR BIOLOGY ...** *Discussion of modern molecular methods and approaches used in cellular and genomic analysis of prokaryotes and eukaryotes. Special emphasis will be given to high throughput genomic analysis tools and molecular approaches targeted towards understanding of basic cellular mechanisms, processes involved in the regulation of gene expression, gene evolution, and host pathogen interactions in plants, animals and humans. Three hours of lecture per week. 3 credits, lecture only course. Offered spring terms.*

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

#3832 Section 01 [units: 3]

01/19-05/19 MWF 01:10 PM - 02:00 PM UH0360 Kirsten Crossgrove

**BIOLOGY 364 BIOTECHNOLOGY LABORATORY METHODS II ...** *Advanced theory, techniques, and practices employed in modern molecular/cell biology labs. Concepts/techniques covered will include advanced lab and instrumentation skills, advanced microscopy, eukaryotic cell culture, protein analytical methods, and application of bioinformatics methodology. Three hours of laboratory per week.*

**PREREQ: BIOLOGY 251 AND BIOLOGY 253, AND BIOLOGY 254 WITH A GRADE OF C OR BETTER. COREQ: BIOLOGY 363 AND CHEM 251**

#3833 Section 01 [units: 2]

01/19-05/19 R 02:00 PM - 05:00 PM UH0206 Peter W Mesner Jr

**BIOLOGY 375 INVERTEBRATE ZOOLOGY ...** *A comprehensive study of the structure, physiology, natural history and significance of the major groups of invertebrate animals. Five hours of laboratory and lecture per week. Offered every spring.*

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

#2758 Section 01 [units: 3]

01/19-05/19 T 02:15 PM - 05:15 PM UH0302 Kerry R Katovich

01/19-05/19 TR 01:10 PM - 02:00 PM UH0302 Kerry R Katovich

**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**

#2762 Section 01 [units: 0.5]

01/19-05/19 F 12:05 PM - 12:55 PM UH0145 Michael J Waller

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 Biological Sciences 630-390.*

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

#2764 Section 01 [units: 0.5]

01/19-05/19 F 12:05 PM - 12:55 PM UH0145 Michael J Waller

S/NC Grading Basis Only

**BIOLOGY 415 ENDOCRINOLOGY ...** *A study of the hormonal regulation of metabolism, growth and reproduction. This course is a survey of endocrine and neuroendocrine mechanisms in humans and higher vertebrates. Two hours of lecture, two hours of laboratory per week. Offered during the spring of odd years.*

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

#3835 Section 01L [units: 3]

01/19-05/19 T 01:20 PM - 03:20 PM UH0202 Michael J Waller

01/19-05/19 TR 12:30 PM - 01:20 PM UH0202 Michael J Waller

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**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**

#3836 Section 01C [units: 3]

01/19-05/19 MWF 09:55 AM - 10:45 AM UH0350 Elisabeth A Harray

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

**PREREQ: BIOLOGY 251 WITH A GRADE OF C OR BETTER**

#2760 Section 01 [units: 3]

01/19-05/19 TR 09:30 AM - 10:45 AM UH0236 Robert K Kuzoff

**BIOLOGY 456 BIOCHEMISTRY ...** An introduction to the chemistry of biological systems. The chemistry of the major compounds of living organisms, e.g., proteins, carbohydrates, lipids and nucleic acids, are studied. Intermediary metabolism and biological control are emphasized. The course meets for 3 lectures and 1 laboratory session a week.

**PREREQ: CHEM 252 AND BIOLOGY 120 OR BIOLOGY 141 WITH A GRADE OF C OR BETTER OR CONSENT OF INSTRUCTOR**

#2838 Section 01L [units: 4]

01/19-05/19 T 02:15 PM - 05:00 PM UH0262 Catherine W Chan

01/19-05/19 MW 11:00 AM - 12:15 PM UH0144 Catherine W Chan

#2842 Section 02L [units: 4]

01/19-05/19 W 02:15 PM - 05:00 PM UH0262 Catherine W Chan

01/19-05/19 MW 11:00 AM - 12:15 PM UH0144 Catherine W Chan

**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.**

#2738 Section 01 [units: 1]

01/19-05/19 F 05:00 PM - 08:00 PM Daryle A Waechter-Brulla

S/NC Grading Basis Only

Dept. Consent

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

#2740 Section 01 [units: 1-12]

01/19-05/19 F 05:00 PM - 08:00 PM Bruce David Eshelman

S/NC Grading Basis Only

Dept. Consent

**BIOLOGY 496 SPECIAL STUDIES ...** Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings. Repeatable for a maximum of 3 credits in major.

#5425 Section 01 [units: 1]

CHEM 102 AND BIO 141 OR 120

01/19-05/19 F 02:15 PM - 03:05 PM UH0236 Paul G House ENVIRONMENTAL POLLUTANTS

01/19-05/19 F 02:15 PM - 03:05 PM UH0236 Catherine W Chan ENVIRONMENTAL POLLUTANTS

01/19-05/19 F 02:15 PM - 03:05 PM UH0236 Elisabeth A Harray ENVIRONMENTAL POLLUTANTS

**BIOLOGY 498 INDEPENDENT STUDY ...** Study of a selected topic or topics under the direction of a faculty member. Repeatable for a maximum of 6 credits in major. One hour of discussion weekly plus laboratory hours by arrangement with instructor.

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

#2742 Section 01 [units: 1-3]

01/19-05/19 F 05:00 AM - 07:00 AM Daryle A Waechter-Brulla

Instructor Consent

**BIOLOGY 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ...** Study of a selected topic or topics under the direction of a faculty member. One hour of discussion plus laboratory hours by arrangement with instructor. Repeatable.

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

#5057 Section 01 [units: 1-3]

01/19-05/19 F 05:00 PM - 06:00 PM UH0250 Ellen S Davis

Dept. Consent

**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**

#2770 Section 01 [units: 2-3]

01/19-05/19 F 05:00 AM - 07:00 AM Ellen S Davis

Dept. Consent