

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course 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**

#2652	Section 01	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	M	01:10 PM - 03:10 PM	UH0364	George V Clokey		
	01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0142	Donald B Barrette		
#2654	Section 02	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	T	08:50 AM - 10:50 AM	UH0364	George V Clokey		
	01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0142	Donald B Barrette		
#2656	Section 03	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	M	01:10 PM - 03:10 PM	UH0356	Ellen S Davis		
	01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0145	Nadine L Kriska		
#2660	Section 04	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	M	03:30 PM - 05:30 PM	UH0356	Donald B Barrette		
	01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0145	Nadine L Kriska		
#2658	Section 05	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	T	08:50 AM - 10:50 AM	UH0356	Donald B Barrette		
	01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0145	Nadine L Kriska		
#2662	Section 06	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	T	11:00 AM - 01:00 PM	UH0356	Donald B Barrette		
	01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0145	Nadine L Kriska		
#2722	Section 07	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	W	01:10 PM - 03:10 PM	UH0356	Nadine L Kriska		
	01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0145	Nadine L Kriska		
#2724	Section 08	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	W	03:45 PM - 05:45 PM	UH0356	Donald B Barrette		
	01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0145	Nadine L Kriska		
#2726	Section 09	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	R	12:05 PM - 02:05 PM	UH0356	George V Clokey		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0140	Kris Curran		
#2728	Section 10	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	W	11:00 AM - 01:00 PM	UH0356	Kris Curran		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0140	Kris Curran		
#2730	Section 11	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	R	09:55 AM - 11:55 AM	UH0356	Elisabeth A Harrahy		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0140	Kris Curran		
#2732	Section 12	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	R	11:00 AM - 01:00 PM	UH0364	Stephen L Solheim		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0145	Donald B Barrette		
#2734	Section 13	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	M	03:45 PM - 05:45 PM	UH0364	Stephen L Solheim		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0145	Donald B Barrette		
#2736	Section 14	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	W	08:50 AM - 10:50 AM	UH0364	George V Clokey		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0145	Donald B Barrette		
#2738	Section 15	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	W	11:00 AM - 12:55 PM	UH0364	Donald B Barrette		
	01/20-05/20	TR	02:15 PM - 03:30 PM	UH0140	Brett C Woods		
#2740	Section 16	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	T	03:45 PM - 05:45 PM	UH0364	Elisabeth A Harrahy		
	01/20-05/20	TR	02:15 PM - 03:30 PM	UH0140	Brett C Woods		
#2742	Section 17	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	R	08:50 AM - 10:50 AM	UH0364	Stephen L Solheim		
	01/20-05/20	TR	02:15 PM - 03:30 PM	UH0140	Brett C Woods		
#5382	Section 18	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	T	01:10 PM - 03:10 PM	UH0364	Kerry R Katovich		
	01/20-05/20	MW	02:15 PM - 03:30 PM	UH0140	Kris Curran		
#5383	Section 19	[units: 4]	Gen Ed Laboratory (GL)				
	01/20-05/20	T	01:10 PM - 03:10 PM	UH0356	Donald B Barrette		
	01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0145	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**

#2666	Section 01	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$15.00
01/20-05/20	T	08:50 AM - 11:50 AM	UH0312	Nadine L Kriska
01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0140	Robert K Kuzoff
#2668	Section 02	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$15.00
01/20-05/20	T	01:10 PM - 04:10 PM	UH0312	Nadine L Kriska
01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0140	Robert K Kuzoff
#2746	Section 03	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$15.00
01/20-05/20	W	01:10 PM - 04:10 PM	UH0312	George V Clokey
01/20-05/20	TR	02:15 PM - 03:30 PM	UH0142	George V Clokey
#5381	Section 05	[units: 5]	Gen Ed Laboratory (GL)	
01/20-05/20	M	01:10 PM - 04:10 PM	UH0312	Nadine L Kriska
01/20-05/20	TR	02:15 PM - 03:30 PM	UH0142	George V Clokey

**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**

#2672	Section 01	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$15.00
01/20-05/20	T	08:50 AM - 11:50 AM	UH0306	Kerry R Katovich
01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0140	Kerry R Katovich
#2692	Section 02	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$15.00
01/20-05/20	T	01:10 PM - 04:10 PM	UH0306	Anneke Els Lisberg
01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0140	Kerry R Katovich
#2750	Section 03	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$15.00
01/20-05/20	R	08:50 AM - 11:50 AM	UH0306	Anneke Els Lisberg
01/20-05/20	MW	02:15 PM - 03:30 PM	UH0142	Anneke Els Lisberg
#5370	Section 05	[units: 5]	Gen Ed Laboratory (GL)	
01/20-05/20	M	03:30 PM - 06:30 PM	UH0306	George V Clokey
01/20-05/20	MW	02:15 PM - 03:30 PM	UH0142	Anneke Els Lisberg

**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.**

#2752	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)	
01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0238	Stephen L Solheim
#2786	Section 03	[units: 3]	Gen Ed Math/Natural Sciences (GM)	NOTE: Restricted to students with BSE only.
01/20-05/20	TR	12:30 PM - 01:45 PM	UH0236	Elisabeth A Harrahy

**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**

#2774	Section 01	[units: 4]		
01/20-05/20	M	02:15 PM - 05:15 PM	UH0202	Daryle A Waechter-Brulla
01/20-05/20	MWF	08:50 AM - 09:40 AM	UH0350	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**

#2676	Section 01	[units: 4]		
01/20-05/20	W	02:15 PM - 05:15 PM	UH0206	Kirsten Crossgrove
01/20-05/20	MWF	01:10 PM - 02:00 PM	UH0140	Kirsten Crossgrove
#2678	Section 02	[units: 4]		
01/20-05/20	R	09:30 AM - 12:30 PM	UH0206	Nadine L Kriska
01/20-05/20	MWF	01:10 PM - 02:00 PM	UH0140	Kirsten Crossgrove
#4314	Section 03	[units: 4]		
01/20-05/20	R	02:15 PM - 05:15 PM	UH0206	Nadine L Kriska
01/20-05/20	MWF	01:10 PM - 02:00 PM	UH0140	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**

#2680	Section 01	[units: 3]		
01/20-05/20	TR	08:00 AM - 09:15 AM	UH0142	Peter W Mesner Jr

Start/End Dates	Meeting Days	Meeting Times	Location	Instructor	Course Topic (if applicable)
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#2790 Section 02 [units: 3]

01/20-05/20	TR	08:00 AM - 09:15 AM	UH0142	Peter W Mesner Jr	
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**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**

#4315 Section 01 [units: 2]

01/20-05/20	T	02:15 PM - 05:15 PM	UH0206	Kirsten Crossgrove	
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**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**

#2758 Section 01 [units: 3]

01/20-05/20	MWF	11:00 AM - 11:50 AM	UH0142	Stephen L Solheim	
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**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**

#2696 Section 01 [units: 4]

01/20-05/20	R	08:00 AM - 11:00 AM	UH0202	Bruce David Eshelman	
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01/20-05/20	MWF	08:50 AM - 09:40 AM	UH0142	Bruce David Eshelman	
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#2698 Section 02 [units: 4]

01/20-05/20	R	12:30 PM - 03:30 PM	UH0202	Bruce David Eshelman	
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01/20-05/20	MWF	08:50 AM - 09:40 AM	UH0142	Bruce David Eshelman	
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**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 spring.**

**PREREQ: BIOLOGY 141, BIOLOGY 142, BIOLOGY 251, BIOLOGY 253, CHEM 102, CHEM 104 WITH A GRADE OF C OR BETTER. RECOMMENDED COREQ: CHEM 251**

#5348 Section 01 [units: 4]

01/20-05/20	R	05:30 PM - 08:30 PM	UH0202	Daryle A Waechter-Brulla	
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01/20-05/20	T	05:30 PM - 08:00 PM	UH0202	Daryle A Waechter-Brulla	
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Instructor Consent

**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**

#2718 Section 01 [units: 4]

01/20-05/20	M	01:10 PM - 04:10 PM	UH0266	Brett C Woods	
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01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0144	Brett C Woods	
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#2782 Section 02 [units: 4]

01/20-05/20	W	01:10 PM - 04:10 PM	UH0266	Brett C Woods	
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01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0144	Brett C Woods	
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**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**

#2798 Section 01L [units: 4]

01/20-05/20	T	01:10 PM - 04:10 PM	UH0266	Ellen S Davis	
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01/20-05/20	TR	11:00 AM - 12:15 PM	UH0266	Ellen S Davis	
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**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**

#2702 Section 01 [units: 4]

01/20-05/20	R	01:10 PM - 04:10 PM	UH0266	Anneke Els Lisberg	
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01/20-05/20	MWF	09:55 AM - 10:45 AM	UH0266	Anneke Els Lisberg	
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**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**

#2706 Section 01 [units: 3] NOTE: Required additional course fee is \$15.00

01/20-05/20	M	02:15 PM - 05:15 PM	UH0302	Kerry R Katovich	
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01/20-05/20	MW	01:10 PM - 02:00 PM	UH0306	Kerry R Katovich	
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Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)

**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**

#2710 Section 01 [units: 0.5]

01/20-05/20 F 12:05 PM - 12:55 PM UH0145 Bruce David Eshelman

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**

#2712 Section 01 [units: 0.5]

01/20-05/20 F 12:05 PM - 12:55 PM UH0145 Bruce David Eshelman

S/NC Grading Basis Only

**BIOLOGY 412 IMMUNOLOGY ... Immunity to infectious diseases related to changes in the constituents of the blood is explored. Transplantation of tissues, allergies, and autoimmune diseases are discussed. Two hours of lecture and two hours of laboratory per week.**

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

#4317 Section 01L [units: 3]

01/20-05/20 M 02:15 PM - 05:15 PM UH0206 Peter W Mesner Jr

01/20-05/20 MW 08:50 AM - 09:40 AM UH0206 Peter W Mesner Jr

**BIOLOGY 430 ANIMAL BEHAVIOR ... Behavior of animals as individuals and groups, including study of causation, development, integration, evolution and adaptive value of behavior patterns. Lecture and laboratory. Offered during the spring of even years.**

**PREREQ: JUNIOR STANDING AND ONE OF THE FOLLOWING: BIOLOGY 142 WITH A GRADE OF 'C' OR BETTER OR BIOLOGY 120 WITH A GRADE OF 'B' OR BETTER OR PSYCH 211 WITH A GRADE OF 'C' OR BETTER**

#2760 Section 01 [units: 3]

01/20-05/20 W 02:15 PM - 04:10 PM UH0302 Ellen S Davis

01/20-05/20 W 12:05 PM - 01:45 PM UH0302 Ellen S Davis

**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**

#2708 Section 01 [units: 3] NOTE: Required additional course fee is \$15.00

01/20-05/20 TR 08:00 AM - 09:15 AM UH0350 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**

#2802 Section 01L [units: 4]

01/20-05/20 T 02:15 PM - 05:00 PM UH0262 Catherine W Chan

01/20-05/20 Arranged Arranged Catherine W Chan

01/20-05/20 MWF 11:00 AM - 11:50 AM UH0144 Catherine W Chan

#2806 Section 02L [units: 4]

01/20-05/20 W 02:15 PM - 05:00 PM UH0262 Catherine W Chan

01/20-05/20 MWF 11:00 AM - 11:50 AM 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. □ □**

#2686 Section 01 [units: 1]

01/20-05/20 F 01:10 PM - 04:10 PM UH0202 Daryle A Waechter-Brulla

S/NC Grading Basis Only

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

#2688 Section 01 [units: 1-12]

01/20-05/20 F 01:10 PM - 04:10 PM UH0302 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.**

#5182 Section 01 [units: 3]

01/20-05/20 MWF 08:50 AM - 09:40 AM UH0238 Robert K Kuzoff

BIOINFORMATICS

**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.**

#2690 Section 01 [units: 1-3]

01/20-05/20 F 01:10 PM - 04:10 PM UH0306 Elisabeth A Harray

Instructor Consent

Class#	Section (Units)	General Education Designation (if any)					Consent
	<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>	
#2808	Section 02	[units: 1-3]					Instructor Consent
	01/20-05/20	F	01:10 PM - 04:00 PM	UH0206	Peter W Mesner Jr	BIOTECH II	
#5278	Section 03	[units: 1-3]					Instructor Consent
	01/20-05/20	R	06:15 PM - 08:45 PM	UH0206	Daryle A Waechter-Brulla		
#5428	Section 04	[units: 1-3]					Instructor Consent
	01/20-05/20	Arranged	Arranged		George V Clokey		

**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**

#2720	Section 01	[units: 2-3]					Dept. Consent
	01/20-05/20	F	01:10 PM - 04:10 PM	UH0306	Elisabeth A Harrahy		