

Section V - College of Letters and Sciences

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 Harrahy		
	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 Harrahy		
	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 Harrahy		
	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		

<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>
#5467 Section 19	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/19	T	02:15 PM - 04:15 PM	UH0364	Michael J Woller	
01/19-05/19	MW	02:15 PM - 03:30 PM	UH0145	Kris Curran	
#5472 Section 20	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/19	W	02:15 PM - 04:15 PM	UH0364	Michael J Woller	
01/19-05/19	TR	03:45 PM - 05:00 PM	UH0145	George V Clokey	

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

CHEMISTRY

Chemistry

CHEM 100 CHEMISTRY FOR THE CONSUMER ... A critical examination of those chemical products which have a significant impact upon the daily life of the consumer. Attention will be focused from the consumer viewpoint upon food additives, prescription and non-prescription drugs, fuels, pesticides, detergents, synthetic fibers and plastics. Meets General Studies laboratory science requirements.

COREQ: MATH 141 OR 140 OR WAIVER

#2922 Section 01	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/19	M	11:00 AM - 12:40 PM	UH0244	Margaret F Phillips	
01/19-05/19	M	11:00 AM - 12:40 PM	UH0244	Paul G House	
01/19-05/19	MWF	07:45 AM - 08:35 AM	UH0145	Margaret F Phillips	
#2876 Section 02	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/19	T	08:20 AM - 10:00 AM	UH0244	Hassimi Traore	
01/19-05/19	MWF	07:45 AM - 08:35 AM	UH0145	Margaret F Phillips	
#2878 Section 03	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/19	T	10:10 AM - 11:50 AM	UH0244	Margaret F Phillips	
01/19-05/19	T	10:10 AM - 11:50 AM	UH0244	Catherine W Chan	
01/19-05/19	MWF	07:45 AM - 08:35 AM	UH0145	Margaret F Phillips	
#2880 Section 04	[units: 4]	Gen Ed Laboratory (GL)			
01/19-05/19	M	02:15 PM - 03:55 PM	UH0244	Marsha L Goodell	
01/19-05/19	M	02:15 PM - 03:55 PM	UH0244	Steven W Anderson	
01/19-05/19	MWF	07:45 AM - 08:35 AM	UH0145	Margaret F Phillips	

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

CHEM 102 INTRODUCTORY CHEMISTRY ... An introduction to the general concepts of chemistry including matter and energy, atomic and molecular structure, bonding, reactions and stoichiometry, gas laws, changes of state, thermochemistry, acid-base theory, solutions, colloids, kinetics, equilibria and electrochemistry.

PREREQ: MATH 141 WITH A GRADE OF C OR BETTER OR WAIVER.

#2882	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	08:00 AM - 10:45 AM	UH0242	Sarah Hosseini		
	01/19-05/19	MTWR	11:00 AM - 11:50 AM	HH2203	Sarah Hosseini		
#2886	Section 02	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	02:15 PM - 05:00 PM	UH0242	Margaret F Phillips		
	01/19-05/19	MTWR	11:00 AM - 11:50 AM	HH2203	Sarah Hosseini		
#2888	Section 03	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	08:00 AM - 10:45 AM	UH0242	Hassimi Traore		
	01/19-05/19	MTWR	11:00 AM - 11:50 AM	HH2203	Sarah Hosseini		
#2890	Section 04	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	02:15 PM - 05:00 PM	UH0242	Margaret F Phillips		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0140	Christopher T Veldkamp		
#2926	Section 05	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	08:00 AM - 10:45 AM	UH0242	Christopher T Veldkamp		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0140	Christopher T Veldkamp		
#2948	Section 06	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	02:15 PM - 05:00 PM	UH0242	Hassimi Traore		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0140	Christopher T Veldkamp		
#5464	Section 07	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	08:50 AM - 11:35 AM	UH0242	Hassimi Traore		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0140	Christopher T Veldkamp		

CHEM 104 INTRODUCTORY CHEMISTRY ... A continuation of CHEM 102.

PREREQ: CHEM 102

#2892	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	M	08:00 AM - 10:45 AM	UH0244	John W Ejnik		
	01/19-05/19	M	08:00 AM - 10:45 AM	UH0244	Baocheng Han		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		
#2896	Section 02	[units: 5]	Gen Ed Laboratory (GL)				Dept. Consent
	01/19-05/19	W	08:00 AM - 10:45 AM	UH0244	John W Ejnik		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		
#4567	Section 02X	[units: 5]	Gen Ed Laboratory (GL)				Dept. Consent
	01/19-05/19	W	08:00 AM - 10:45 AM	UH0244	John W Ejnik		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		
#2898	Section 03	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	08:00 AM - 10:45 AM	UH0244	Sarah Hosseini		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		
#2928	Section 04	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	T	02:15 PM - 05:00 PM	UH0244	Margaret F Phillips		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		
#2954	Section 05	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	W	02:15 PM - 05:00 PM	UH0244	Steven W Anderson		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		
#4566	Section 06	[units: 5]	Gen Ed Laboratory (GL)				
	01/19-05/19	R	02:15 PM - 05:00 PM	UH0244	John W Ejnik		
	01/19-05/19	MTWR	12:05 PM - 12:55 PM	UH0145	John W Ejnik		

GEOGRAPHY AND GEOLOGY

Geography

GEOGRPY 120 INTRODUCTION TO WEATHER AND CLIMATE ... This course introduces students to the processes controlling and distinguishing weather and climate. Particular emphasis is on data selection, interpretation, and analysis. The impacts of severe weather and climate change on humans is also emphasized. The labs expose students to the wide range of weather and climate information currently available on the Internet.

COREQ: MATH 141 OR WAIVER

#3074 Section 01 [units: 4] Gen Ed Laboratory (GL) NOTE: This is an entirely web based section taught out of D2L. Contact the instructor for additional information. Additional required course fee is \$200.

01/19-05/19	Arranged	Arranged	WEB BASED	David J Travis
01/19-05/19	Arranged	Arranged	WEB BASED	Steve Curran

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

GEOGRPY 210 PHYSICAL GEOGRAPHY ... A study of selected physical aspects of our geographic environment. Emphasis is given to the origin and characteristic features of topographic, climatic, vegetative and soil regions of the earth and to their interrelationships. The ultimate objective is to provide a foundation upon which to build a better understanding of human interrelationships with the physical environment. Field trips are normally taken.

COREQ: MATH 141 OR WAIVER

#3008	Section 01	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	M		09:00 AM - 10:40 AM	UH0150 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Nicole L Dudei
#3010	Section 02	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	T		09:00 AM - 10:40 AM	UH0150 Nicole L Dudei
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Nicole L Dudei
#3014	Section 03	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	W		09:00 AM - 10:40 AM	UH0150 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Nicole L Dudei
#3072	Section 04	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	R		09:00 AM - 10:40 AM	UH0150 Nicole L Dudei
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Nicole L Dudei
#3038	Section 05	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	T		02:30 PM - 04:10 PM	UH0150 Nicole L Dudei
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Nicole L Dudei
#3076	Section 06	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	T		06:15 PM - 07:55 PM	UH0150 Steve Curran
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Dale K Splinter
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0145 Nicole L Dudei

Geology

GEOLOGY 100 PRINCIPLES OF GEOLOGY ... An introduction to the concepts which describe the origin and evolution of the earth. Emphasis is on understanding (1) the material make-up of the earth, (2) the internal and external processes which affect the earth, (3) the scientific method as it applies to the study of the earth. One field trip is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover the cost of chartering a bus. Four hours of lectures and two hours of lab each week.

COREQ: MATH 141 OR 140 OR WAIVER

#3094	Section 01	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	M		11:00 AM - 12:30 PM	UH0060 Juk Bhattacharyya
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0143 Juk Bhattacharyya
#3098	Section 02	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	T		11:00 AM - 12:30 PM	UH0060 Juk Bhattacharyya
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0143 Juk Bhattacharyya
#3100	Section 03	[units: 5]	Gen Ed Laboratory (GL)	NOTE: Required additional course fee is \$25.00.
01/19-05/19	R		11:00 AM - 12:30 PM	UH0060 Juk Bhattacharyya
01/19-05/19	MTWR		01:10 PM - 02:00 PM	UH0143 Juk Bhattacharyya

PHYSICS

Astronomy

ASTRONOMY 112 INTRODUCTION TO ASTRONOMY ... An examination of concepts regarding the organization of the universe. The solar system, astronomical principles and instruments, stellar evolution and galaxies are among topics covered. Activities include field trips, observations of the night sky and of the sun with telescopes, and laboratory work. Four one-hour lectures and one two-hour laboratory/observation period per week. There are two required evening observation sessions during the semester.

COREQ: MATH 141 OR WAIVER

#3434	Section 01L	[units: 5]	Gen Ed Laboratory (GL)	
01/19-05/19	R		09:30 AM - 11:30 AM	UH0050 Juliana T Constantinescu
01/19-05/19	MTWR		02:15 PM - 03:05 PM	UH0141 Paul M Rybski
#3438	Section 02L	[units: 5]	Gen Ed Laboratory (GL)	
01/19-05/19	R		03:30 PM - 05:30 PM	UH0050 Juliana T Constantinescu
01/19-05/19	MTWR		02:15 PM - 03:05 PM	UH0141 Paul M Rybski
#3440	Section 03L	[units: 5]	Gen Ed Laboratory (GL)	
01/19-05/19	M		08:50 AM - 10:50 AM	UH0050 Juliana T Constantinescu
01/19-05/19	MW		03:20 PM - 05:00 PM	UH0141 Juliana T Constantinescu

<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>
#4799 Section 04L [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	M	12:05 PM - 02:05 PM	UH0050	Juliana T Constantinescu	
01/19-05/19	MW	03:20 PM - 05:00 PM	UH0141	Juliana T Constantinescu	

Physics

PHYSICS 130 PHYSICS FOUNDATIONS ... This course will explore topics in classical physics (motion, heat, sound, electricity, magnetism, and light) and modern physics (atomic structure, quantum mechanics, and relativity) with an emphasis on how the principles explain and predict phenomena we observe every day. Four one-hour lectures and one two-hour laboratory per week.

COREQ: MATH 141 OR CONSENT OF INSTRUCTOR

#3384 Section 01L [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	W	08:50 AM - 10:50 AM	UH0058	Jalal M Nawash	
01/19-05/19	MF	08:50 AM - 09:40 AM	UH0141	Robert Benjamin	
01/19-05/19	TR	08:25 AM - 09:15 AM	UH0141	Robert Benjamin	
#3424 Section 02L [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	W	01:10 PM - 03:40 PM	UH0058	Jalal M Nawash	
01/19-05/19	MF	08:50 AM - 09:40 AM	UH0141	Robert Benjamin	
01/19-05/19	TR	08:25 AM - 09:15 AM	UH0141	Robert Benjamin	

PHYSICS 140 PRINCIPLES OF PHYSICS I ... An algebra-based course in classical mechanics at the introductory level. The content covers kinematics, Newton's laws, conservation laws, oscillations and waves, applications to fluids and elasticity, and thermodynamics and kinetic theory. Applications to the life and health sciences are emphasized, and essential MCAT subject matter is included. Basic understanding of trigonometry and the manipulation of vectors is necessary. Students with adequate mathematical preparation may wish to consider taking the PHYSICS 180 series. Four one-hour lectures and one three-hour laboratory per week.

COREQ: MATH 152

#4802 Section 01L [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	W	03:15 PM - 05:15 PM	UH0050	Abdelkrim Boukahil	
01/19-05/19	TR	09:30 AM - 10:45 AM	UH0141	Abdelkrim Boukahil	
01/19-05/19	W	02:15 PM - 03:05 PM	UH0050	Abdelkrim Boukahil	

PHYSICS 141 PRINCIPLES OF PHYSICS II ... An algebra-based course in electricity and magnetism, circuits, electromagnetic waves, optics and an introduction to modern physics. Applications to the life and health sciences are emphasized, and essential MCAT subject matter is included. Basic understanding of trigonometry and the manipulation of vectors is necessary. Students with adequate mathematical preparation may wish to consider taking the PHYSICS 180 series. Four One-hour lectures and one three-hour laboratory per week.

PREREQ: PHYSICS 140

#3428 Section 01 [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	T	09:30 AM - 12:30 PM	UH0050	Jalal M Nawash	
01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0141	Jalal M Nawash	
#3406 Section 02 [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	T	02:15 PM - 05:15 PM	UH0050	Jalal M Nawash	
01/19-05/19	MWF	11:00 AM - 11:50 AM	UH0141	Jalal M Nawash	

PHYSICS 181 PHYSICS FOR SCIENTISTS AND ENGINEERS II ... A course in introductory physics including a mathematically rigorous analysis of electricity and magnetism, light and optics, and modern physics using calculus. For majors and minors in physics, engineering, chemistry, and mathematics. Four one-hour lectures and one three-hour lab per week.

PREREQ: PHYSICS 180 OR CONSENT OF INSTRUCTOR COREQ: MATH 254

#3404 Section 01L [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	T	09:30 AM - 12:30 PM	UH0058	Robert Benjamin	
01/19-05/19	MTRF	01:10 PM - 02:00 PM	UH0141	Robert Benjamin	
#3410 Section 02L [units: 5]	Gen Ed Laboratory (GL)				
01/19-05/19	T	02:15 PM - 05:15 PM	UH0058	Robert Benjamin	
01/19-05/19	MTRF	01:10 PM - 02:00 PM	UH0141	Robert Benjamin	

PHYSICS 212 PHYSICS FOR ELEMENTARY TEACHERS ... This course is a one-semester introduction to physics with curriculum and instruction designed as an activity-based hands-on course for K-8 elementary education students and open to all education majors. The course emphasizes a student-oriented pedagogy in order to develop various physics concepts and the nature of science. Topics covered include motion, forces, energy, light, heat, electricity, and magnetism.

PREREQ: MATH 141 AND RESTRICTED TO STUDENTS WITH BSE PROGRAM

#3420 Section 01C [units: 4]	Gen Ed Laboratory (GL)				
01/19-05/19	MW	08:25 AM - 10:45 AM	UH0166	Steven C Sahyun	