

PHYSICS**Astronomy**

ASTRONOMY 112 INTRODUCTION TO ASTRONOMY (GL) ... 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

#1071 Section 01 [units: 5] Gen Ed Laboratory (GL) NOTE: This is a web based class; required additional course fee of \$250. This class is taught online through Desire2Learn. The course site will be available to you at the beginning of the session

05/31-07/09 Arranged Arranged WEB BASED Juliana T Constantinescu

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Physics

PHYSICS 140 PRINCIPLES OF PHYSICS I (GL) ... 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

#1073 Section 01 [units: 5] Gen Ed Laboratory (GL)

06/20-08/20 R 09:00 AM - 12:00 PM UH0050 Ozgur Yavuzcetin

06/20-08/20 MTW 09:00 AM - 11:00 AM UH0141 Jalal M Nawash

PHYSICS 141 PRINCIPLES OF PHYSICS II (GL) ... 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

#1074 Section 01 [units: 5] Gen Ed Laboratory (GL)

06/20-08/20 R 12:00 PM - 03:00 PM UH0058 Ozgur Yavuzcetin

06/20-08/20 MTW 12:00 PM - 02:00 PM UH0141 Jalal M Nawash