

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

**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**

#1393 Section 01 [units: 5] Gen Ed Laboratory (GL) NOTE: This is a web based course. An additional fee of \$250 will be required.

06/19-07/29 Arranged Arranged WEB BASED Juliana 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**

#1394 Section 01 [units: 5] Gen Ed Laboratory (GL)

06/19-08/19 R 09:00 AM - 12:00 PM UH0050 Ozgur Yavuzcetin

06/19-08/19 MTW 09:00 AM - 11:00 AM UH0141 Jalal 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**

#1390 Section 01 [units: 5] Gen Ed Laboratory (GL)

06/19-08/19 R 12:00 PM - 03:00 PM UH0058 Ozgur Yavuzcetin

06/19-08/19 MTW 12:00 PM - 02:00 PM UH0141 Jalal Nawash

**PHYSICS 150 FROM EINSTEIN TO STAR TREK (GM) ...** This introductory survey course will focus on areas of modern physics that are frequently discussed but often misunderstood. The theories of Einstein and other physicists will be used to examine science fiction devices such as time machines, warp drives, and mass transporters. Integrated throughout will be a discussion of what are science, science fiction, and pseudo-science. Not applicable toward any physics major or minor. Three hours of lecture a week.

**COREQ: MATH 140 OR MATH 141 OR WAIVER**

#1391 Section 01 [units: 3] Gen Ed Math/Natural Sciences (GM) NOTE: This is a web based course. An additional fee of \$150 will be required.

06/19-07/08 Arranged Arranged WEB BASED Steven Sahyun