

ADMINISTRATIVE BOARDS MEETING

April 28, 2010

MISCELLANEOUS COURSE REVISIONS

Effective Fall 2010

APPL 210 BME Design and Manufacturing I Increase the credit hours from one hour to two hours and revise/shorten the course description from “(1) Students will learn to use design software: SolidWorks, plus support/analysis programs such as COSMOS. Also learn basic techniques for directly measuring solid objects using digital calipers, gauges and identification of standard components to reverse-engineer the dimensions of the object. Specific topics covered: generation of designed solid model, three-view drawings, dimensions, tolerances, etc.” to “Students will learn to use design software: SolidWorks and support/analysis programs such as COSMOS. Basic techniques for directly measuring solid objects using digital calipers, gauges, and identification of standard components to reverse-engineer the dimensions of the object. Specific topics covered: generation of designed solid model, three-view drawings, dimensions, tolerances, etc.”

ASTR 101 Introduction to Astronomy: The Solar System. Add the phrase “search for extraterrestrial intelligence (SETI)” to the end of the course description so that it reads “Celestial motions of the earth, sun, moon, and planets; nature of light; ground and space-based telescopes; comparative planetology; the earth, the moon, planets, and dwarf planets; asteroids; comets; planetary system formation; extrasolar planets; search for extraterrestrial intelligence (SETI).”

ASTR 101L Descriptive Astronomy Laboratory. Delete the corequisite and change the description from “Laboratory exercises, elementary calculations to illustrate methods used in astronomy. Work is performed in the planetarium (ASTR 101P) and observatory night laboratories (ASTR 101L). Two laboratory hours a week” to “Remote observing with robotic telescopes in the Chilean Andes and around the world: planets, dwarf planets, moons, asteroids, binary and variable stars, supernovae, star-forming regions, star clusters, galaxies. Topics include the Galilean Revolution, the Cosmic Distance Ladder, the Great Debate, and Hubble's Law.”

ASTR 102 Introduction to Astronomy: Stars, Galaxies, and Cosmology. Delete the phrase “search for extraterrestrial intelligence (SETI)” from the end of the course description so that it reads “The sun, stellar observables, star birth, evolution, and death, novae and supernovae,

white dwarfs, neutron stars, black holes, the Milky Way galaxy, normal galaxies, active galaxies and quasars, dark matter, dark energy, cosmology, early universe.”

ASTR 111L Educational Research in Radio Astronomy. Reduce the credit hours from 2.0 to 1.0 and change the description from “Students spend a week using a 40-foot diameter radio telescope at the National Radio Astronomy Observatory in West Virginia. An exciting, hands-on introduction to research and to radio astronomy” to “Permission of the instructor. One-week field experience at the National Radio Astronomy Observatory in Green Bank, WV, for experiential education (EE) credit. Observing with radio telescopes and antennae: supernova remnants, star-forming regions, normal and active galaxies, quasars, solar system objects (sun, moon, Jupiter), radio spectroscopy.”

PHYS 071 First-Year Seminar: Power Down: Preparing Your Community for the Transition from Cheap Oil. Change the description from “This seminar examines waste byproducts, including the effects of greenhouse gases on global climate and the long-term storage of nuclear waste” to “This seminar quantifies what will be required to supplement declining supplies of cheap oil for transportation with increased electrification from non-fossil fuel sources. What are viable paths forward to a decarbonized or carbon-neutral energy system?”

MISCELLANEOUS CURRICULUM REVISION

Effective Fall 2010

Minor in Sexuality Studies. To add COMM 413 Freud; FREN 285 Sex, Philosophy, and Politics; and HIST 395 Undergraduate Seminar in History (United States): Sex on Trial to the list of courses that can fulfill the minor in sexuality studies.