Course Outline

Course Title: Astronomy: The Universe
Submitted By: M. Threapleton

Semester Course Prefix and Number: PHYS 1566
Old Quarter Course Prefix and Number: PHYS 133

Number of Credits: 2
Number of Lecture Credits: 2

Catalog Description:
This course is a non-mathematical study of the Universe outside the Solar System. Properties of different stars, galaxies, neutron stars, black holes, evolution of the Universe are covered in this course.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): None
Reading Prerequisite: None
Composition Prerequisite: None
Mathematics Prerequisite: None

Career Programs and Transfer Majors Accessing this Course:

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable: Notes: No more than two goals may be met by any one course. (Curriculum Committee review and the Chief Academic Officer’s approval are required).

0. _____ None 6. _____ The Humanities and Fine Arts
1. _____ Communications 7. _____ Human Diversity
2. _____ Critical Thinking 8. _____ Global Perspectives
3. _____ Natural Sciences 9. _____ Ethical and Civic Responsibility
4. _____ Mathematical/Logical Reasoning 10. _____ People and the Environment
5. _____ History and the Social and Behavioral Sciences
Learning outcomes, including any relevant competencies listed in the Minnesota Transfer Curriculum:
- A study of the structure of the universe outside the solar system
- Use of the principles of Physics to describe and interpret the data coming to earth
- Used for satisfying the non-lab science requirement.

Student assessment methods:
Two one-hour multiple-choice tests

Use of instructional technology (includes software, interactive video and other instructional technologies):
Astronomy videos

Outline of the major course content:
- A nonmathematical study of the Universe outside the Solar System
- Properties of different stars, galaxies, neutron stars, black holes, evolution of the Universe.

Additional special information (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Approvals:

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