Would you like to understand how Pathfinder got to Mars? Consider ...

**Course 781961**
**Physical Modeling**

Computer simulations of simple physical systems. Basic physics is discussed as well as examples of how to set up the problem. Results of the simulations are discussed using the underlying physical principles. Problems will likely include orbital motion and in-flight adjustment, projectile motion with drag, and resonance phenomena including damping.

No prerequisites.

Four credit hours.
Are you interested in Physics?
Do you wonder why anyone would be?
Consider ...

Course 781962
A Passion for Physics

Presentations and discussions for students who want to know what Physics is about. A different topic and presenter each week. For example

J. Haus  “The Quantum Nature of Light”
K. Cummings  “Ion Beams and Stained Glass Windows”
D. Whittet  “The Origin of Life”
P. Persans  “Quantum Dots and Nanocrystals”

Come see what all the fuss is about.

One credit hour.

This course is graded satisfactory/unsatisfactory.
What’s new in the Universe? Consider ...

Course 79151
Quasars and Cosmology

This course is a survey of recent discoveries in the field of astronomy. It includes a discussion of our current theories of cosmology, the overall structure and evolution of the universe, and the role of observation in deciding between existing models. Quasars, active galaxies, the cosmic microwave background, stellar evolution, neutron stars, pulsars, and black holes are among the topics discussed.

One credit hour.

This course is graded satisfactory/unsatisfactory.