Curriculum Change Proposal Form

Unit proposing the change: Physics & Engineering

Please check all that apply:

☐ Changes to academic major or minor; course titles, descriptions, number changes within level; prerequisites

Requires:* Dept. Chair or Program Coord. Signature(s) (Copy to Div. Chair.)

☐ Course additions, cross-listings or deletions; course level changes; change in course credits; change in grading S/U to A-F and A-F to S/U

Requires:* Dept. Chair or Program Coord. Signature(s) (copy to Div. Chair) AND Division Discussion and Signature.

☐ Student-designed majors, non-cred it workshops.

Requires:* Dept. Chair or Program Coord. Signature(s) (copy to Div. Chair.)

☐ Special courses or credit workshops.

Requires:* Dept. Chair or Program Coord. Signature(s) (Copy to Div. Chair) AND Division Discussion and Signature.

☐ Statements of academic philosophy or policy; additions or deletions of majors, minors, or other programs; degree requirements; additions, deletions, or change of category for Gen Ed courses.

Requires:* Dept. Chair or Program Coord. Signature(s) (copy to Div. Chair) AND Division Discussion and Signature.

☐ Other (Explain in 1 below)

See VPAA for details regarding approval requirements.

*Required prior to submission to the Undergraduate Curriculum Committee

NOTE: See APAP section 110 for more information regarding changes to curriculum.

1. Detailed description of the proposed change: Introduction of a new 3-credit Gen Ed course. (see attached)

2. Justification for change: To support the new Scientific Understanding category. (see attached)

3. Proposed term of initial offering or implementation date: Spring 2016

4. As applicable, please provide or attach the following information:

a) Course subject and number (or proposed number): PH EN 2XX

b) Course title: The Ideas of Modern Physics

c) Credit hours: 3

d) Recommended level: FR □ SR

e) Prerequisites or other special conditions (if any): High school algebra.

f) Requirements it will satisfy (major, minor, Gen Ed, licensure): Gen Ed (Scientific Understanding)

g) Proposed catalog description: The Ideas of Modern Physics (3) is a conceptual introduction to the big ideas in physics from the last 100 years. The course will begin with an overview of classical physics and the scientific method, then explore the past century's most important discoveries and their applications. Topics include: special and general relativity, quantum mechanics, atomic and nuclear physics, particle physics, cosmology, and string theory. 3 hours of lecture. Prerequisite: high school algebra.
h) Describe any potential impact(s) of this change, such as course prerequisites, majors/minors, interdisciplinary programs, licensure requirements, etc.: N/A

➢ REQUIRED: Attach documentation of notification of affected parties. [ ]

i) Staffing considerations:
   [X] Can be taught by present staff (assuming other curricular changes)
   [ ] Will require additional staff

j) Anticipated frequency of offering:
   [ ] Every semester
   [X] Once a year
   [ ] Alternate years

k) Resources required (facilities, equipment, supplies, library materials, etc.):
   N/A

5. Signatures:

   Department Chair or Program Coordinator: ____________________________
   ➢ Please attach summary of department discussion. [ ]
   Department Vote:
   In favor 4  Opposed 0  Abstentions 0
   Date: 11/12/2014

   Vice President of Graduate and Continuing Studies: (if applicable) ____________________________
   In favor or Opposed or Abstain (circle one)
   (Please attach comments)
   Date: __/__/____

   Teacher Preparation Programs [Initial Licensure]: (if applicable) ____________________________
   In favor or Opposed or Abstain (circle one)
   (Please attach comments)
   Date: __/__/____

   Division Chair: ____________________________
   ➢ Please attach summary of division discussion(s). [ ]
   Division Vote:
   In favor __  Opposed __  Abstentions __
   Date: __/__/____

   Undergraduate Curriculum Committee Chair (VPAA): ____________________________
   Curriculum Committee Vote:
   In favor __  Opposed __  Abstentions __
   Date: __/__/____