

**NEW COURSE
GENERAL EDUCATION**

Proposal for a New Course, General Education

Department: Chemistry & Physics

Date: October 11, 2007

Original Submission Resubmission Date of Original Submission _____
Date of Implementation _____

Retroactive? (If yes, please specify) _____

I. New Proposed Course Information

Discipline Prefix PHYS Course Number 103

Course Title Conceptual Physics Credit Hours 4

Prerequisite Course None

Speaking Intensive No Writing Intensive No

If Cross-Listed:

Secondary Prefix _____ Course Number _____

Course Description

Conceptual Physics. A survey of basic physics principles taught from a conceptual basis. A broad survey of physics will be demonstrated in this course with such topic as mechanics, fluids, heat, electricity, magnetism, and light. The course will apply basic physics principles to our daily lives. 3 lectures and one 2-hour lab period. 4 credits.

General Education Goal(s) for which course is designed: Goal 6

Please attach a proposed syllabus in SACS format. The syllabus, or an attachment, should indicate in some detail how the course will satisfy each of the nine (9) required General Education Course Criteria (page17).

II. Required for a Major, Minor, Concentration (please specify): No

III. Rationale for Course:

Currently, students wishing to fulfill their science general education requirement by taking a physics course must take PHYS 101. PHYS 101 is limited to the study of mechanics and is also a prerequisite for PHYS 102 so it is difficult to diverge much in the content of this course. PHYS 103 would cover topics that are traditional covered

in PHYS 101 & 102 but with less emphasis on the mathematics and more emphasis on a conceptual understanding. This course would allow the instructor and students to better explore the connections of physics to our daily lives and to other disciplines. Since this course is not a prerequisite for other physics course, instructors could focus more on topics of interest to the students and to the development of well educated citizen leaders.

IV. Resource Assessment

A. How frequently do you anticipate offering this course?

At least 2 sections of 24 students one time a year during the normal semester

The course will also be developed as an online course through LOTI and will be offered frequently during the summer.

B. Describe anticipated staffing for the course, including any changes in existing faculty assignments:

No additional staffing will be necessary. The number of PHYS 101 sections will be reduced and replaced by PHYS 103

C. Estimate the cost of required new equipment:

No additional equipment is necessary.

D. Estimated cost of and description of additional library resources:

No additional library resources are necessary

E. Will this course require additional computer use, hardware or software? If so, please describe and estimate cost:

No additional computer use, hardware, or software is necessary.

V. Approvals

	Date Rec'd	Signature Date	Approved
1. Department Curriculum Committee Chair	_____	_____	_____
2. Department Chair	_____	_____	_____
The Department Chairs, whose programs may be affected, have been notified:			
Department _____	Date Notified _____		
Department _____	Date Notified _____		
Department _____	Date Notified _____		
3. College Dean	_____	_____	_____
4. College Curriculum Committee	_____	_____	_____
5. General Education Committee	_____	_____	_____
6. Educational Policy Committee	_____	_____	_____
7. Faculty Senate Chair	_____	_____	_____
8. Date received by Registrar _____			

Proposals must be submitted early enough to reach EPC by March 1 in order to be included in next year's catalog.