Course Change Request

1. School/Division: College of Liberal Arts and Sciences (CLAS)
2. Academic Subject Code: CHEM
3. Current Course Number: T105
4. Current Credit Hours: 5.0
5. Current Title: Physical Science for Elementary Teachers
6. Effective Semester/Year for changes listed below: Fall 2004
7. Instructor: W. Feighery

Type of Change Requested (Check appropriate boxes and indicate changes)

[ ] 8. Change course number to: ___________________________ (must be cleared with University Enrollment Services)
   Change to:
   Recommended abbreviation (optional) ___________________________ (Limited to 32 Characters including spaces)

[ ] 10. Current credit hours fixed at: 5.0 or variable from: __________ to __________
   Change to credit hours fixed at: 4.0 or variable from: __________ to __________

[ ] 11. Current lecture contact hours fixed at: __________ or variable from: __________ to __________
   Change to lecture contact hours fixed at: __________ or variable from: __________ to __________

[ ] 12. Current non-lecture contact hours fixed at: 5.0 or variable from: __________ to __________
   Change to non-lecture contact hours fixed at: 3.0 or variable from: __________ to __________

[ ] 13. Is this course currently graded with S-F (only) grades? Yes ______ No ______
   Change to S-F (only) grading? Yes ______ No ______

[ ] 14. Does this course presently have variable title approval? Yes ______ No ______
   Is variable title approval being requested? Yes ______ No ______

[ ] 15. Is this course being discontinued? For all campuses ______ or for this campus only ______

[ ] 16. Current course description

Change course description to (not to exceed 50 words)

________________________________________________________________________
________________________________________________________________________

17. Justification for change ___________________________ Laboratory contact hours are being reduced
   (Use additional paper if necessary)

18. Are the necessary reading materials currently available in the appropriate library? ______
   Yes ______ No ______

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be
   overlap of this course with existing courses or areas of strong concern, with instructions that they send comments
   directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus
   consulted.

Submitted by:

Department Chairman/Division Director

Date 11/11/03

Approved by:

Dean

Date 1/13/04

Dean of Graduate School (when required)

Date 2/9/04

Chancellor/Vice-President

Date

University Enrollment Services

Date

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.
Indiana University South Bend  
Memorandum  

To: CLAS Curriculum Committee  
From: Jerry Hinnefeld, Chair, Dept. of Physics and Astronomy  
Bill Feighery, Chair, Dept. of Chemistry 

Date: November 10, 2003  
Subject: Proposed New Course and Course Change  

New Course Request: GEOL T106 – Earth & Space Science for Elementary Teachers  

Course Change Request: PHYS T105 – Physical Science for Elementary Teachers, from 5.0 cr. hrs. to 4.0 cr. hrs.  

Course Change Request: CHEM T105 – Physical Science for Elementary Teachers, from 5.0 cr. hrs. to 4.0 cr. hrs.  

The course PHYS T105 / CHEM T105 – Physical Science for Elementary Teachers was created some time ago to provide better and more appropriate instruction in physical science for students preparing for careers in elementary education. The course GEOL T106 – Earth & Space Science for Elementary Teachers will likewise provide improved instruction for these students in earth science and astronomy.  

Each of these courses offers an integrated, interdisciplinary experience for pre-service elementary school teachers, which focuses on the specific needs of these students. The course GEOL T106 will consist of roughly equal parts of geology and astronomy without explicit separation into the two disciplines, as elementary education in earth and space science is actually and appropriately taught. The structure and scheduling of the course are being coordinated with the School of Education, specifically with respect to the science methods instruction provided to elementary education majors. The course content will focus on in-depth coverage of topics that students will be expected to teach to their own students, using materials generally available in the elementary school classroom.  

The new course GEOL T106 and the existing PHYS T105 / CHEM T105 will be taught with the same structure and with the same amount of instructional time. As the course PHYS T105 / CHEM T105 has evolved over the last several years, the schedule that has developed is more appropriate of a 4 cr. hr. than a 5 cr. hr. assignment. The instructional time now consists of two hours of lecture, two hours of formal laboratory instruction, and approximately one hour of exploratory exercises that serve to introduce a topic, each week. We therefore are also proposing a change in the credit hour assignment for PHYS T105 / CHEM T105.  

We anticipate no need for increased faculty resources as a result of the creation of GEOL T106. The students will be taking this new course currently satisfy their earth science requirement with GEOL G111 – Physical Geology, and the creation of GEOL T106 will simply shift enrollment away from GEOL G111.