

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person(s) Dr. Karen Rose Cercone	Email Address kcercone@iup.edu
Proposing Department/Unit Geoscience	Phone 7-7650

Check all appropriate lines and complete all information. Use a separate cover sheet for each course proposal and/or program proposal.

1. Course Proposals (check all that apply)

New Course     
  Course Prefix Change     
  Course Deletion  
 Course Revision     
  Course Number and/or Title Change     
  Catalog Description Change

SCI 103 Fundamentals of Earth & Space Science

Current course prefix, number and full title: \_\_\_\_\_

Proposed course prefix, number and full title, if changing: \_\_\_\_\_

2. Liberal Studies Course Designations, as appropriate

This course is also proposed as a Liberal Studies Course (please mark the appropriate categories below)

Learning Skills   
  Knowledge Area   
 Global and Multicultural Awareness   
 Writing Across the Curriculum (W Course)

Liberal Studies Elective (please mark the designation(s) that applies – must meet at least one)

Global Citizenship   
 Information Literacy   
 Oral Communication  
 Quantitative Reasoning   
 Scientific Literacy

3. Other Designations, as appropriate

Honors College Course   
 Other: (e.g. Women's Studies, Pan African)

4. Program Proposals

New Degree Program   
 Catalog Description Change   
 New Track   
 Other  
 New Minor Program   
 Program Title Change   
 Liberal Studies Requirement Changes in Program

Current program name: \_\_\_\_\_

Proposed program name, if changing: \_\_\_\_\_

5. Approvals	Signature	Date
Department Curriculum Committee Chair(s)		9/28/11
Department Chairperson(s)		9/28/11
College Curriculum Committee Chair		9/29/11
College Dean		9/29/11
Director of Liberal Studies (as needed)		11/1/11
Director of Honors College (as needed)		
Provost (as needed)		
Additional signatures (with title) as appropriate:	Edel Reilly, Chair TECC Curr.	10/10/11
UWUCC Co-Chairs	A. Key, Interim Dean COE-ET	10/17/11
		10/25/11

Received

Please Number All Pages

OCT 18 2011

Liberal Studies

## **Part II. Description of Curriculum Change**

### **1. New Catalog Description:**

**SCI 103 Fundamentals of Earth and Space Science**

**2c-21-2.5cr**

**Introduction to geology, astronomy, oceanography and meteorology for Early Childhood Education and Special Education majors. Emphasizes the understanding of large scale processes that have shaped the Earth, solar system, and universe. Lab experiences include hands-on work with earth materials, scientific instruments and maps, as well as field trips which may occur during class times, nights, or weekends. Does not fulfill the Liberal Studies requirement except for majors in Early Childhood Education PreK-Grade 4/Special Education PreK-Grade 8.**

### **2. Listing of Proposed Change:**

**The prerequisites for this class are currently SCI 101 Fundamentals of Physics and SCI 102 Fundamentals of Chemistry. We would like to remove these prerequisites and refine the wording of the course description to more clearly communicate the scope of the class.**

### **Old catalog description:**

**SCI 103 Fundamentals of Earth and Space Science 2c-21-2.5cr**

**Prerequisites: SCI 101, 102**

**Introduction to geology, astronomy, oceanography, and meteorology for Elementary Education majors. Emphasis is placed on the understanding of large-scale processes and how the earth, solar system, and universe work. Lab experiences include hands-on work with earth materials and with instruments from all of our subjects, map, and field trips which may occur during class times, nights, and weekends. This class does not fulfill the Liberal Studies requirement except for Elementary and Early Childhood Education majors.**

### **3. Justification/Rationale For This Change:**

**Experience with this course in recent years indicates that the content of SCI 101 Fundamentals of Physics and SCI 102 Fundamentals of Chemistry are not necessary prior to taking SCI 103 Fundamentals of Earth and Space Science. Removing these prerequisites will allow the SCI 101-104 courses to be taken in any order. This change will give Elementary Education majors more flexibility in scheduling, allowing them to complete their professional sequence of student teaching and graduate on time.**

# Indiana University of Pennsylvania

Department of Chemistry  
Weyandt Hall, Room 143  
975 Oakland Avenue  
Indiana, Pennsylvania 15705-1001

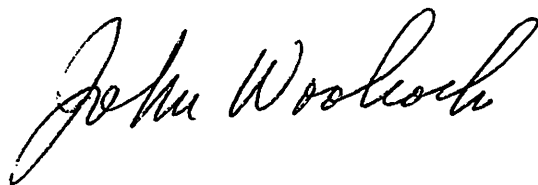
724-357-2361  
Fax: 724-357-2437  
Internet: <http://www.iup.edu>

A. Keith Dils, Ed.D.  
Associate Dean College of Education and Educational Technology  
Indiana University of Pennsylvania  
Stouffer Hall 104

Dear Dr. Dils,

The Department of Chemistry supports the removal of the prerequisites of SCI 101 and SCI 102 for the courses SCI 103 and SCI 104. Since content pedagogy is no longer taught in the SCI 101-104 series of courses, the prerequisites of SCI 101, Fundamentals of Physics, and SCI 102, Fundamentals of Chemistry, for SCI 103, Fundamentals of Earth and Space Science, and SCI 104, Fundamentals of Environmental Biology, no longer seem necessary. The fact that students still take all four courses but now can take them in any order will alleviate some scheduling issues. It is anticipated that SCI 101 will need to be revised in the near future to meet the directive from the Department of Education to extend the elementary education degree through Grade 8.

Sincerely,



John Woolcock  
Chair, IUP Chemistry Department

**Subject: Re: Change in pre-reqs for SCI 103**

**From:** talwar@iup.edu <talwar@iup.edu>

**Date:** 09/10/11 05:19 PM

**To:** Karen Rose Cercone <kercrone@iup.edu>

**Cc:** Devki N Talwar <talwar@iup.edu>, Stanley Sobolewski <sobolews@iup.edu>

Hello Karen,

After consulting with Stan Sobolewski, the Physics Department supports the idea of removing for Elementary Education majors the pre-reqs of SCI 101 for offering SCI 102 or SCI 103 courses in our College.

Best regards

Devki Talwar, Chair  
Physics Department

**From:** Karen Rose Cercone

**Sent:** Friday 9 September 2011 4:46 PM

**To:** talwar@iup.edu

**Cc:** Stanley Sobolewski

**Subject:** Re: Change in pre-reqs for SCI 103

Hi, Devki!

I'd like to finalize the proposal to remove the pre-reqs of SCI 101 and 102 from our SCI 103 course, but I need a letter of support from Physics to take it up to the NSM curriculum committee. Could you write one up and send it over sometime in the next week?

Thanks!  
KR

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*Dr. Karen Rose Cercone*

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Email: kercrone@iup.edu*

*Fall 2011 Office Hours:*

*Monday 10-11 AM and 2:30-3:30 PM*

*Wednesday 10-11 AM*

*Friday 10 AM - noon*

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On Wed, 24 Aug 2011 11:14:45 -0400

<talwar@iup.edu> wrote:

> Thanks Karen,

>

> Devki

>

>From: Karen Rose Cercone