

LSC Use Only  
Number: \_\_\_\_\_  
Submission Date: \_\_\_\_\_  
Action-Date: \_\_\_\_\_

UWUCC USE Only  
Number: 95-40  
Submission Date: App 12/12/95  
Action-Date: Senate App 2/6/96

**CURRICULUM PROPOSAL COVER SHEET**  
University-Wide Undergraduate Curriculum Committee

**I. CONTACT**

Contact Person Darlene Richardson Phone 2379  
Department Geoscience

**II. PROPOSAL TYPE (Check All Appropriate Lines)**

       COURSE \_\_\_\_\_  
Suggested 20 character title  
       New Course\* \_\_\_\_\_  
Course Number and Full Title  
       Course Revision \_\_\_\_\_  
Course Number and Full Title  
       Liberal Studies Approval + \_\_\_\_\_  
for new or existing course Course Number and Full Title  
       Course Deletion \_\_\_\_\_  
Course Number and Full Title  
       Number and/or Title Change \_\_\_\_\_  
Old Number and/or Full Old Title  
New Number and/or Full New Title  
       Course or Catalog Description Change \_\_\_\_\_  
Course Number and Full Title

  X   PROGRAM:        Major   X   Minor        Track

       New Program\* \_\_\_\_\_  
Minor in Geology, <sup>Program Name</sup> Minor in Geoscience  
  X   Program Revision\*        BS Geology, BS Environmental Geoscience, BS Earth &  
Space Science, BS in Ed: <sup>Program Name</sup> General Science Education,  
       Program Deletion\* \_\_\_\_\_  
Program Name  
       Title Change \_\_\_\_\_  
Old Program Name  
New Program Name

**III. Approvals (signatures and date)**

Darlene Richardson 9/25/95 J. Wall 9/26/95  
Department Curriculum Committee Department Chair  
[Signature] 12/5/95 [Signature]  
College Curriculum Committee College Dean  
[Signature] 12/6/95  
+ Director of Liberal Studies (where applicable) \*Provost (where applicable)

**Summary of changes**

Course revisions in GS 121/122 Physical Geology Lecture and Lab for primarily Geoscience majors/minors and GS 131/132 Historical Geology Lecture and Lab for primarily Geoscience majors/minors necessitate changes in the major and minor programs in the Geoscience Department. Note that number of courses required and number of credits required do not change—just the substitution of “new” GS 122 and “new” GS 132 for “old” GS 123 and “old” GS 133 and “new” GS 111-112 and GS 113-114 for “old” GS 101-102 and GS 103-104. The deletion of GS 110 General Astronomy means that GS 110 will be omitted from the description of the minor in Geoscience.

**New catalog descriptions:**

**Minor in Geology:** The minor in Geology consists of 17 semester hours. Required are GS 121 Physical Geology/ GS 122 Physical Geology Lab and GS 131 Historical Geology/GS 132 Historical Geology Lab. Three upper-level (300 or higher) courses in geology (total nine credits) will make up the remaining requirement for the minor in Geology totaling seventeen credits. [changes: omit GS 123 and substitute GS 122 and omit GS 133 and substitute GS 132]

**Minor in Geoscience:** The requirement for the minor in Geoscience will be 16 semester hours of geoscience, taken within the following framework. Students must complete one course in each discipline within the department: Astronomy, 3 semester hours; Geology, 4 semester hours; Meteorology, 3 semester hours; Oceanography, 3 semester hours, for a total of 13 semester hours. The additional 3 semester hours can be taken in any one of the aforementioned disciplines. Liberal Studies nonlaboratory courses GS 141, 150, 151, and 221 will not be acceptable toward the minor in Geoscience. [changes: eliminate “not GS 122 or 132”, eliminate GS 110 from list of LS nonlab courses—GS 110 is to be deleted]

**Bachelor of Science—Geology**

Major:

Required courses:

GS 121 Physical Geology	3 sh
GS 122 Physical Geology Lab	1 sh
GS 131 Historical Geology	3 sh
GS 132 Historical Geology Lab	1 sh

all other elements of the program remain the same

**Bachelor of Science—Environmental Geoscience**

Major:

Required courses:

GS 121 Physical Geology	3 sh
GS 122 Physical Geology Lab	1 sh
GS 131 Historical Geology	3 sh



GS 132 Historical Geology Lab 1 sh  
 all other elements of the program remain the same

**Bachelor of Science—Earth and Space Science**

Major:

Required courses:

GS 121 Physical Geology 3 sh  
 GS 122 Physical Geology Lab 1 sh  
 GS 131 Historical Geology 3 sh  
 GS 132 Historical Geology Lab 1 sh

all other elements of the program remain the same

**Bachelor of Science in Education—General Science Education**

Major:

Required courses:

GS 111 Earth Science for Educators I  
 GS 112 Earth Science for Educators I Lab  
 GS 113 Earth Science for Educators II  
 GS 114 Earth Science for Educators II Lab

all other elements of the program remain the same

**Table summarizing changes:**

Old Program	New Program
BS Geology, BS Environmental Geoscience, and BS in Education—Earth and Space Science: required courses in major: GS 121 Physical Geo. lecture (no prereq) GS 123 Intensive Phys. Geo. Lab GS 131 Historical Geo. Lecture  GS 133 Intensive Historical Geo. Lab	BS Geology, BS Environmental Geoscience, and BS in Education—Earth and Space Science: required courses in major: GS 121 Phys. Geo. lecture (change in prereq) GS 122 Physical Geology Lab GS 131 Historical Geo. Lecture (change in prereq) GS 132 Historical Geo. Lab
BS in Education—General Science Education: required courses in major: GS 101 Earth Sci: Geo and Oceanography GS 102 Earth Sci GO Lab GS 103 Earth Sci: Met and Astronomy GS 104 Earth Sci MA Lab	BS in Education—General Science Education required courses in major: GS 111 Earth Sci for Educators I GS 112 Earth Sci for Educators I lab GS 113 Earth Sci for Educators II GS 114 Earth Sci for Educators II lab



Please note: these course substitutions do not result in any changes in the number of credits of required courses, controlled electives, free electives, or total degree requirements.

**Associated course changes:**

**Course revisions:**

“Old” GS 101-102, 103-104 Earth Science I and II lecture and lab revised to GS 111-112, 113-114 Earth Science for Educators I and II lecture and lab (change in catalog description, change in course numbers, change in lab hours, and change in prerequisites)

“Old” GS 121, 123 Physical Geology Lecture and Intensive Physical Geology Lab revised to “new” GS 121 Physical Geology lecture (change in prerequisites, change in catalog description) and GS 122 Physical Geology lab (change in prerequisites, change in catalog description)

“Old” GS 131, 133 Historical Geology Lecture and Intensive Historical Geology Lab revised to “new” GS 131 Historical Geology lecture (change in prerequisites, change in catalog description) and GS 132 Historical Geology lab (change in prerequisites)

Delete “old” GS 122 Physical Geology lab, delete “old” GS 132 Historical Geology lab, delete GS 110 General Astronomy

**Rationale for change:**

**The Problem**

Every year, the Geoscience Department faces more student demand for its non-major Liberal Studies courses than we can fill with existing courses. We try to offer enough sections of our traditional non-major course Earth Science to fill demand, but we lack the faculty resources in the areas of astronomy and meteorology to offer more than two sections of this course per year. Expansion of our alternative major/non-major courses Physical Geology and Historical Geology is hampered by limited lab space, and by the fact that these courses were designed to introduce geoscience majors to their field of study, and are often inappropriate for students with science anxiety and/or weak high-school science backgrounds.

**The Solution**

To solve both problems, we have designed an entirely new course sequence, Introduction to Geoscience. This sequence will offer the same kind of topical overview as Earth Science, without drawing so heavily on our single astronomer and single meteorologist. The new sequence consists of three semester-long components:

GS 101/102 The Dynamic Earth (a geology lecture/lab survey course)

GS 103/104 Oceans and Atmospheres (a fluid environments lecture/lab survey course)

GS 105/106 Exploring the Universe (an astronomy lecture/lab survey course).



We foresee offering multiple (4-6) sections of GS 101/102 and GS 103/104 each year, since they draw on our department's strong geology and oceanography resources. GS 105/106 will be offered in single sections whenever faculty resources permit. Together, we hope these courses will accommodate all existing and most potential student demand for Liberal Studies science requirements in our department.

The creation of this new Liberal Studies course sequence gives us the opportunity to revise existing introductory courses into major-specific course sequences that will improve the early preparation of department majors. We plan to adapt the existing Earth Science sequence for our education majors. Earth Science will be renumbered as GS 111-114, and restricted to Secondary Science Education majors only. Labs in Earth Science will be increased by an additional hour to provide more in-depth training.

Similarly, Physical Geology and Historical Geology will now be restricted to Geoscience majors and minors, science majors and minors, science education majors and minors, and Anthropology and Geography majors and minors, and all lab sections will become three hours in length. These changes will let us introduce our majors to their subject in smaller lecture sections, many of which will be writing-intensive.

**Implementation:**

1. Students currently enrolled in the program will continue to take GS 121 and GS 131 Physical and Historical Geology lecture sections as usual--they will be in smaller classes and these courses may be taught as writing-intensive courses. Students currently enrolled in the program do take GS 123 and GS 133 Intensive Physical/Historical Geology lab sections--in future they will take essentially the same course with a different number ("new" GS 122 and "new" GS 132 Physical and Historical Geology labs).
2. Faculty loads:

**Typical Fall Semester Schedule**

Old Schedule	New Schedule
No existing course equivalents	<b>Introduction to Geoscience (GS 101-106)</b> Two lecture sections (240 seats).....6 hours (all non-majors) Eight lab sections (200 seats) .....16 hours
<b>Earth Science (GS 101-102)</b> Two lecture sections (150 seats).....6 hours (125 non-majors/25 science ed majors) Six lab sections (150 seats) .....12 hours	<b>Earth Science for Ed I (GS 111-112)</b> One lecture section (25 seats).....3 hours (all science ed/science majors) One lab section (25 seats).....3 hours



<b>Physical Geology (GS 121/122/123)</b> Two lecture sections (150 seats) .....6 hours (100 non-majors/50 geoscience majors) Four non-major labs (100 seats).....8 hours Two major labs (50 seats).....6 hours	<b>Physical Geology (GS 121/122)</b> Two lecture sections (50 seats).....6 hours (all geosci/anthro/geog majors & minors, other science majors/minors, science ed majors) Two lab sections (50 seats).....6 hours
NON-MAJOR SEATS.....225 in lecture .....225 in lab	NON-MAJOR SEATS.....240 in lecture .....200 in lab
FACULTY CONTACT HOURS.....38	FACULTY CONTACT HOURS.....40

**Typical Spring Semester Schedule**

**Old Schedule**

**New Schedule**

No existing course equivalents.	<b>Introduction to Geoscience (GS 101-106)</b> Two lecture sections (240 seats).....6 hours (all non-majors) Eight lab sections (200 seats) .....16 hours
<b>Earth Science (GS 103-104)</b> Two lecture sections (150 seats).....6 hours (125 non-majors/25 science ed majors) Six lab sections (150 seats) .....12 hours	<b>Earth Science for Ed II (GS 113-114)</b> One lecture section (25 seats).....3 hours (all science ed/science majors) One lab section (25 seats).....3 hours
<b>Historical Geology (GS 131/132/133)</b> Two lecture sections (150 seats) .....6 hours (100 non-majors/50 geoscience majors) Four non-major labs (100 seats).....8 hours Two major labs (50 seats).....6 hours	<b>Historical Geology (GS 131/132)</b> Two lecture sections (50 seats).....6 hours (all geosci/anthro/geog majors & minors, other science majors/minors, science ed majors) Two lab sections (50 seats).....6 hours
NON-MAJOR SEATS.....225 in lecture .....225 in lab	NON-MAJOR SEATS.....240 in lecture .....200 in lab
FACULTY CONTACT HOURS.....38	FACULTY CONTACT HOURS.....40

No additional faculty resources are required to implement the course changes we are proposing. As shown in the charts above, the faculty contact hours needed to teach the three new courses in our Introduction to Geoscience sequence will be obtained primarily from the conversion of our existing introductory science courses (Earth Science, Physical Geology, and Historical Geology) to smaller sections taught for majors only. The number of class preps in the department does increase, but will be accommodated through careful scheduling.

Two additional faculty contact hours will be needed each semester to teach the new

schedule of introductory courses. In addition, two contact hours will be needed in the fall to teach GS 380, our new course for Geoscience majors. These hours will be obtained from a careful alternate-year rotation of upper-level majors courses such as hydrogeology, geochemistry, stratigraphy and geomorphology. In the fall, the release of five contact hours from one of those untaught classes will free a faculty member to teach both GS 380 (two contact hours) and to also cover the two-hour increase in contact hours needed to implement our introductory course sequence.

In the Spring, when GS 380 will not be offered, the additional five hours freed by one untaught upper-level course will again allow the department to cover the two additional contact hours needed for the introductory sequence. In addition, a faculty member will be freed up in the Spring to offer a three-contact hour Liberal Studies class -- either a non-laboratory Liberal Studies science course or a Synthesis section.

Department majors will not be substantially penalized by this change, since they will still have at least one opportunity in their junior and senior years to take hydrogeology, geochemistry, geomorphology and stratigraphy. None of these courses act as prerequisites for other required courses in the major, and all of them are either electives or alternate substitutes in the Geology major. Hydrogeology and Geochemistry are required courses for the Environmental Geoscience major, so careful advising will be done to ensure that no student fails to enroll in these courses at the proper time. Our department has successfully alternated required major courses in the past (for example, Meteorology and Oceanography, both required in the Earth & Space Science Education major). We foresee no difficulties in alternating these additional courses to free up the needed contact hours.

3. Other resources are adequate.

4. Please note that while the number of lecture seats for non-majors will be increased by this change, the number of lab seats will be decreased slightly. This change was made because every year, a significant number of non-major students enroll in the lecture only (to fulfill their Option II science requirement) and seats in lab sections remain unfilled as a result. Since the number of lecture seats cannot be increased (due to the new room limitations of the remodeled Weyandt Room 32 Auditorium), we have accordingly trimmed the number of lab seats to meet existing student demand.

Course proposals (including "new" and "old" syllabi, responses to course analysis questionnaires, and letters of support) are incorporated as part of this document, but numbered separately.

Geoscience Department  
116 Walsh Hall

E-mail DRCHRDSN  
Phone 2379

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Date: November 15, 1995

To: Dr. Mark Staszkievicz, Provost

From: Darlene Richardson, chair of Geoscience Department Curriculum Committee

Subject: Minor revisions in the Geoscience Degree Programs

The Geoscience Department requests your approval of the slight modifications in our major and minor programs.

We have changed the prerequisites to Geoscience majors/minors, majors in Anthropology, Geography and Regional Planning, and science education majors for GS 121 Physical Geology and GS 131 Historical Geology. We have also modified slightly the catalog descriptions. In addition, we have deleted "old" GS 122 Physical Geology Lab and "old" GS 132 Historical Geology Lab; we have revised "old" GS 123 Intensive Physical Geology Lab and "old" GS 133 Intensive Historical Geology Lab to "new" GS 122 Physical Geology Lab (for our and other selected majors/minors) and "new" GS 132 Historical Geology Lab (for our and other selected majors/minors). These changes affect the following degrees offered: BS Geology, BS Environmental Geoscience and BS in Education--Earth and Space Science.

We have also deleted "old" GS 101-102 Earth Science GO Lecture and Lab and "old" GS 1030104 Earth Science MA Lecture and Lab and replaced them with GS 111-112 Earth Science for Educators I lecture and lab and GS 113-114 Earth Science for Educators II lecture and lab. GS 111-112 and GS 113-114 are revised versions of "old" GS 101-102 and GS 103-104. These changes affect the BS in Education--General Science Education.

Please note that these revisions in our degrees do not result in any changes in the number of credits of required courses, controlled electives, free electives, or total degree requirements.

The details of the changes are specified in the attached program revision.

Copy: Dr. Frank Hall, Chairperson



Date: March 22, 1995

To: John Butzow, Dean of the College of Education  
Curriculum Committee Chair, College of Education

From: Karen Rose Cercone, Geoscience Curriculum Contact

Subject: Proposed Geoscience Course Revisions

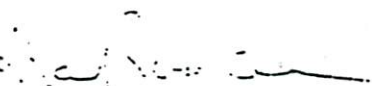
I have attached a course revision proposal which affects the GS 101-104 Earth Science course sequence taken by many Secondary Science Education majors. As part of a major overhaul of our introductory classes, the Geoscience Department plans to rename this course sequence Earth Science for Educators I and II and renumber it as GS 111-114. We plan to restrict future enrollment to science education majors only (ie, Earth and Space Science Ed, General Science Ed, Bio Ed, etc), plus any other science majors who are currently required to take Earth Science. The new GS 111-114 Earth Science for Educators will retain the traditional number of credits (3 lecture, 1 lab) but some lecture sections may become writing-intensive and all labs will be lengthened to three hours rather than two to allow more rigorous treatment of the material.

Please let me know within the next two weeks if you have any comments or suggestions on this planned revision. If the revision creates no problems for your department, I would appreciate you sending along a letter to that effect to be attached to our course proposal.

Thanks.

Date: March 22, 1995

To: Dennis Whitson, Chair of the Physics Department  
Curriculum Committee Chair, Physics Department

From: Karen Rose Cercone, Geoscience Curriculum Contact 

Subject: Proposed Geoscience Course Revisions

I have attached a course revision proposal which affects the GS 101-104 Earth Science course sequence taken by your Secondary Science Education majors. As part of a major overhaul of our introductory classes, the Geoscience Department plans to rename this course sequence Earth Science for Educators I and II and renumber it as GS 111-114. We plan to restrict future enrollment to science education majors only (ie, Earth and Space Science Ed, General Science Ed, Bio Ed, etc), plus any other science majors who are currently required to take Earth Science. The new GS 111-114 Earth Science for Educators will retain the traditional number of credits (3 lecture, 1 lab) but some lecture sections may become writing-intensive and all labs will be lengthened to three hours rather than two to allow more rigorous treatment of the material.

Please let me know within the next two weeks if you have any comments or suggestions on this planned revision. If the revision creates no problems for your department, I would appreciate you sending along a letter, to that effect to be attached to our course proposal.

Thanks.



Date: March 22, 1995

To: Pothan Varughese, Chair of the Chemistry Department  
Curriculum Committee Chair, Chemistry Department

From: Karen Rose Cercone, Geoscience Curriculum Contact

Subject: Proposed Geoscience Course Revisions

I have attached a course revision proposal which affects the GS 101-104 Earth Science course sequence taken by your Secondary Science Education majors. As part of a major overhaul of our introductory classes, the Geoscience Department plans to rename this course sequence Earth Science for Educators I and II and renumber it as GS 111-114. We plan to restrict future enrollment to science education majors only (ie, Earth and Space Science Ed, General Science Ed, Bio Ed, etc), plus any other science majors who are currently required to take Earth Science. The new GS 111-114 Earth Science for Educators will retain the traditional number of credits (3 lecture, 1 lab) but some lecture sections may become writing-intensive and all labs will be lengthened to three hours rather than two to allow more rigorous treatment of the material.

Please let me know within the next two weeks if you have any comments or suggestions on this planned revision. If the revision creates no problems for your department, I would appreciate you sending along a letter to that effect to be attached to our course proposal.

Thanks.

Date: March 22, 1995

To: Bob Prezant, Chair of the Biology Department  
Curriculum Committee Chair, Biology Department

From: Karen Rose Cercone, Geoscience Curriculum Contact

Subject: Proposed Geoscience Course Revisions

I have attached a course revision proposal which affects the GS 101-104 Earth Science course sequence taken by your Secondary Science Education majors. As part of a major overhaul of our introductory classes, the Geoscience Department plans to rename this course sequence Earth Science for Educators I and II and renumber it as GS 111-114. We plan to restrict future enrollment to science education majors only (ie, Earth and Space Science Ed, General Science Ed, Bio Ed, etc), plus any other science majors who are currently required to take Earth Science. The new GS 111-114 Earth Science for Educators will retain the traditional number of credits (3 lecture, 1 lab) but some lecture sections may become writing-intensive and all labs will be lengthened to three hours rather than two to allow more rigorous treatment of the material.

Please let me know within the next two weeks if you have any comments or suggestions on this planned revision. If the revision creates no problems for your department, I would appreciate you sending along a letter to that effect to be attached to our course proposal.

Thanks.



Date: March 22, 1995

To: Susan Forbes, Chair of the Geography Department  
Curriculum Committee Chair, Geography Department

From: Karen Rose Cercone, Geoscience Curriculum Contact

Subject: Proposed Geoscience Course Revisions

I have attached a course revision proposal which affects the GS 121/122 Physical Geology and GS 131/132 Historical Geology course sequence taken by many of your majors. As part of a major overhaul of our introductory classes, the Geoscience Department plans to restrict these two courses to Geology, Geoscience, Earth & Space Science Education, Anthropology and Geography majors only. The new courses will retain the same number of credits (3 lecture, 1 lab) and traditional format of a two semester overview of geology, but some of the lecture sections may become writing-intensive and all labs will be lengthened to three hours rather than two to allow more rigorous treatment of the material. We plan to petition the Liberal Studies committee for permission to allow the sequence to still fulfill the Liberal Studies lab science requirement for your majors, as it does now.

Please let me know within the next two weeks if you have any comments or suggestions on this planned revision. If the revision creates no problems for your department, I would appreciate you sending along a letter to that effect to be attached to our course proposal.

Thanks.

Date: March 22, 1995

To: Sarah Neusius, Chair of the Anthropology Department  
Curriculum Committee Chair, Anthropology Department

From: Karen Rose Cercone, Geoscience Curriculum Contact

Subject: Proposed Geoscience Course Revisions

I have attached a course revision proposal which affects the GS 121/122 Physical Geology and GS 131/132 Historical Geology course sequence taken by many of your majors. As part of a major overhaul of our introductory classes, the Geoscience Department plans to restrict these two courses to Geology, Geoscience, Earth & Space Science Education, Anthropology and Geography majors only. The new courses will retain the same number of credits (3 lecture, 1 lab) and traditional format of a two semester overview of geology, but some of the lecture sections may become writing-intensive and all labs will be lengthened to three hours rather than two to allow more rigorous treatment of the material. We plan to petition the Liberal Studies committee for permission to allow the sequence to still fulfill the Liberal Studies lab science requirement for your majors, as it does now.

Please let me know within the next two weeks if you have any comments or suggestions on this planned revision. If the revision creates no problems for your department, I would appreciate you sending along a letter to that effect to be attached to our course proposal.

Thanks.



13  
Department of Geography and Regional Planning  
Indiana University of Pennsylvania  
10 Leonard Hall  
Indiana, Pennsylvania 15705-1087

(412) 337-2250



March 28, 1995

Dear Karen,

Sue Forbes asked me to circulate the attached course proposal/revisions among the Geography faculty, and to forward any information to you. Sorry about the delay in getting this back to you, but some faculty mailboxes seem to be the proverbial "bottomless pits" into which everything disappears.

Everyone was satisfied with the proposal, and there were no suggestions for changes. There is one cosmetic change that you might consider making in paragraph one of your cover letter. Our department has both geography and regional planning majors, so you should change Geography to "Geography/Regional Planning" under the "restricted to" departments.

Sincerely,

A handwritten signature in cursive script that reads "Joe".

Joe Bencloski

IUP CHEMISTRY DEPARTMENT

To: Karen Rose Cercone  
Geoscience Curriculum Contact

From: Pothan Varughese, Chair  
Chemistry Department

Date: March 30, 1995

Subject: Geoscience Course Revisions



I have looked through your geoscience course revision proposal. GS 111-114, Earth Science for Education I and II, are not required courses for any of the degree programs in the Chemistry Department. Therefore, I do not think the proposed course revision will affect the students in our department or the department in any way.



MEMORANDUM FROM  
COLLEGE OF EDUCATION

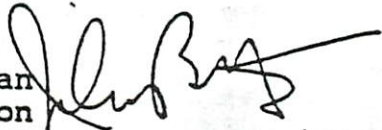
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DATE: April 6, 1995

SUBJECT: Approval Course Revision  
GS 111/112

TO: Chairpersons Mill and Kuzneski  
UWCC

FROM: John W. Butzow, Dean  
College of Education



The TECC Curriculum Committee has approved the use of the revised GS 111/112 course in the secondary science teacher education programs.

cc: Ms. Sutton

~~MS~~  
12.GS111.MEM

16  
Department of Anthropology  
Indiana University of Pennsylvania  
Keith Hall  
Indiana, Pennsylvania 15705-1087

(412) 357-2730



April 6, 1995

Dr. Karen R. Cercone  
Geoscience Department  
Walsh 112

Dear Dr. Cercone:

We have reviewed your proposal regarding the Physical Geology and Historical Geology courses, and we fully support your plan to restrict these courses to students in specific majors. We believe this will result in more rigorous courses, as clustering students from cognate fields will permit more demanding and focused assignments and reading.

As you know, we encourage our students to take Geoscience classes as their science option because this topic is closely linked with our field, especially for our students interested in archeology. In recent years, a substantial proportion of our students in the archeology track have pursued a minor in Geology because of its relevance to the professional work of archeologists. We believe that your proposal to limit these two courses to selected majors will strengthen the linkage between our programs.

If I can provide any additional information in support of your proposal, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Miriam Chaiken'.

Miriam Chaiken, Ph. D.  
Chairperson



MAIL> extract tt:

From: GROVE::KUZNESKI "JODELL KUZNESKI" 25-JAN-1996 10:00:14.57  
To: MMCCARTY  
CC:  
Subj: please keep this with the GS proposal

From: GROVE::DRCHRDSN "Darlene Richardson, Liberal Studies" 15-DEC-1995 15:02:58.78  
To: GROVE::KUZNESKI  
CC: DRCHRDSN  
Subj: RE: lab final exams

Hi, Jody. Yes, I will get you a disk with all the GS proposals on it. Also, the department decided to require that the book reviews be turned in the 9th or 10 week of the semester and that a prerequisite means completion of the course. Thus, a student who earns a D in GS 121 or GS 122 can move onto GS 131 or 132, but a student who fails (earns an F) in GS 121 or GS 122 cannot take GS 131 or 132. We understand that prerequisite implies successful completion of that prerequisite. The GS dept. did receive OK from both Mark and Dean Eck to offer our new courses in Fall 97, but we will offer "old" GS 101/102 and "old" GS 103/104 in Summer 96 so that any student who needs to D/F repeat GS 101/102 or GS 103/104 may do so. Thanks for your help and advice. Happy Holidays.  
Darlene

95-40

January 17, 1996

To: Dr. Mark Staszkievicz, Provost

Via: Dr. John Eck, Dean, College of Natural Sciences and Mathematics

From: Dr. Frank Hall, Chairperson, Geoscience Department *FHall*

Re: Approval for listing GS courses for Summer 96 and Fall 96 pending approval by Senate

The following courses were approved by the Geoscience Department Curriculum Committee, the College Curriculum Committee, and the University-wide Curriculum Committee (please see attached UWUCC log for dates of approval). They will be on the February agenda for Senate.

Please permit the Geoscience Department to place these revised/new courses on the Summer 96 and Fall 96 schedules.

Course revisions: GS 121/122 Physical Geology lecture and lab  
 GS 131/132 Historical Geology lecture and lab  
 GS 111/112 Earth Science for Educators I lecture and lab  
 GS 113/114 Earth Science for Educators II lecture and lab

New courses: GS 101/102 Dynamic Earth lecture and lab  
 GS 103/104 Oceans and Atmospheres lecture and lab  
 GS 105/106 Exploring the Universe lecture and lab  
 GS 380 Research Techniques in Geoscience

Thank you for your prompt attention. You might recall that in December 1995 both you and Dr. Eck gave permission via e-mail for the Geoscience Department to place these revised/new courses on the Fall and Summer 96 schedules.

Attached: Senate Undergraduate Curriculum Committee log (see pages 7-8 for approval dates)

*John S. Eck*  
 Approval of Dr. John Eck, Dean NS&M

1/18/95  
 Date

*Mark Staszkievicz*  
 Approval of Dr. Mark Staszkievicz, Provost

1/19/96  
 Date

xc: Dr. Diane Duntley  
 Dr. John S. Eck  
 Dr. Frank Hall  
 Ms. Marcia McCarty  
 M J Staszkievicz 1/23/96



MAIL> extract tt:

From: GROVE::KUZNESKI "JODELL KUZNESKI" 25-JAN-1996 09:59:39.92  
To: MMCCARTY  
CC:  
Subj: please keep this with the Geoscience proposals

From: GROVE::DRCHRDSN "Darlene Richardson, Liberal Studies" 13-DEC-1995 10:02:51.13  
To: JBURIOK, MJSTAT  
CC: FRANK HALL, KUZNESKI, DRCHRDSN  
Subj: Geoscience proposals

At yesterday's meeting of the University Wide Undergraduate Curriculum Committee, proposals from the Geoscience Department were discussed and approved. One question which arose from the UWUCC's review of the proposals was the syllabi for 100-level lab courses (e.g., GS 122, 132, 112, 114, 102, 104, 106). In these syllabi the department indicated final lab exam on the last day of lab. For the past 20+ years the Geoscience Department has given lab exams on the last meeting of the lab (in addition to weekly quizzes and a mid-term exam). We have scheduled test 2 in the lab courses on that day for the following reasons:

- 1) In general, the final exam schedule looks at courses as if they meet on MWF or TR (except for evening courses). It is possible for a student to have a lab from, say, 9-12 on Tuesday and a different lab from 9-12 on Thursday. It would be a scheduling nightmare to have lab exams during the finals week.
- 2) We cannot schedule block exams for lab tests because students do hands-on work (rock and mineral identification, map analysis, problem-solving, etc.) and the lab rooms can accommodate only 24 students.
- 3) Some of our labs (e.g., GS 122, 132, 112, 114) are 3 hours in length and we have given students 3-hour tests.
- 4) Students enrolled in lab are enrolled also in the appropriate lecture section (e.g., students enrolled in physical geology lab GS 122 are enrolled in GS 121 physical geology lecture). Final exams in the lecture portion are scheduled during finals week.

Thus, for these reasons the Geoscience Department has scheduled test 2 in our lab courses during the last lab meeting. We believe that our scheduling lab test 2 during that last lab meeting does not contravene the spirit of the final exam policy, especially since the accompanying lecture final exam is scheduled during finals week. We can change the name of "final lab exam" to Test 2 (with mid-term test being Test 1) if that change would be helpful.

The UWUCC has asked me as recording secretary of the UWUCC to let you know about this issue and to ask if either of you consider this a violation of the final exams policy. The Geoscience Department is "under the impression" that giving lab exams during the last lab meeting has been an acceptable exception to the final exams policy.

Thank you, Darlene

MAIL> extract tt:

From: GROVE::KUZNESKI "JODELL KUZNESKI" 25-JAN-1996 10:00:14.57  
To: MMCCARTY  
CC:  
Subj: please keep this with the GS proposal

From: GROVE::DRCHRDSN "Darlene Richardson, Liberal Studies" 15-DEC-1995 15  
:02:58.78  
To: GROVE::KUZNESKI  
CC: DRCHRDSN  
Subj: RE: lab final exams

Hi, Jody. Yes, I will get you a disk with all the GS proposals on it. Also, the department decided to require that the book reviews be turned in the 9th or 10 week of the semester and that a prerequisite means completion of the course. Thus, a student who earns a D in GS 121 or GS 122 can move onto GS 131 or 132, but a student who fails (earns an F) in GS 121 or GS 122 cannot take GS 131 or 132. We understand that prerequisite implies successful completion of that prerequisite. The GS dept. did receive OK from both Mark and Dean Eck to offer our new courses in Fall 97, but we will offer "old" GS 101/102 and "old" GS 103/104 in Summer 96 so that any student who needs to D/F repeat GS 101/102 or GS 103/104 may do so. Thanks for your help and advice. Happy Holidays.  
Darlene