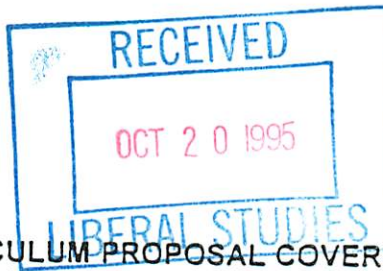


LSC Use Only
Number: _____
Submission Date: _____
Action-Date: _____



UWUCC USE Only
Number: 95-40d
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 Karen Rose Cercone Phone 5623
Department Geoscience

II. PROPOSAL TYPE (Check All Appropriate Lines)

- COURSE** Physical Geology / Physical Geology Lab
Suggested 20 character title
- New Course *** _____
Course Number and Full Title
- Course Revision** GS 121 Physical Geology / GS 122 Physical Geology Lab
Course Number and Full Title
(was GS 123 Intensive Phy. Geol Lab)
- 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
- PROGRAM:** Major Minor Track
- New Program *** _____
Program Name
- Program Revision *** _____
Program Name
- Program Deletion *** _____
Program Name
- Title Change** _____
Old Program Name

New Program Name

III. Approvals (signatures and date)

Karen Rose Cercone 4-7-95 John D. Ed 4-7-95
Department Curriculum Committee Department Chair
[Signature] John D. Ed 10/20/95
College Curriculum Committee College Dean

+ Director of Liberal Studies (where applicable)

*Provost (where applicable)

Introduction:

Course revision: GS 121 Physical Geology: change in course prerequisites, change in catalog description; GS 122 Physical Geology Laboratory: change in course number (was GS 123 Intensive Physical Geology Lab), change in prerequisites, change in catalog description ("old" GS 122 will be deleted)

Old:

GS 121 Physical Geology

3c-01-3sh

Prerequisites: none

Introduction to science of the earth: physical properties and processes of the earth's interior and crust and their interaction with surface processes which shape and modify the physical environment.

New:

GS 121 Physical Geology

3c-01-3sh

Prerequisites: Geoscience majors/minors, any science or science education majors/minors, Anthropology, Geography / Regional Planning majors, or permission of instructor

Introduction to the science of the earth, including physical properties of its interior and crust; its tectonic and surface processes; and the complex geologic interactions which shape and modify our planet. Designed to prepare students for upper-level geology classes.

Old:

GS 123 Intensive Physical Geology Lab

0c-31-1sh

Should be taken concurrently with GS 121 by all Geology/Geoscience majors/minors

Selected problems in rock and mineral identification, topographic and geologic mapping techniques, and geomorphology. Designed to prepare students for upper-level geology classes. Includes field trips.

New:

GS 122 Physical Geology Lab

0c-31-1sh

Prerequisites: Geoscience majors/minors, any science or science ed majors/minors, Anthropology, Geography / Regional Planning majors or permission of instructor
Co-requisite: Enrollment in GS 121

Selected problems in rock and mineral identification, topographic and geologic mapping techniques, geologic landforms and deformation structures. Designed to prepare students for upper-level geology classes. Includes field trips.

2. Summary of revisions: Physical Geology (GS 121) & Physical Geology Lab (GS 122)

OLD COURSESGS 121 Physical Geology LectureGS 122 Physical Geology LabGS 123 Intensive Physical Geology Lab

This introductory geology course served both department majors and Liberal Studies and non-majors by combining them all in one lecture section (GS 121) but separating them into three-hour majors' only lab (GS 123) or two-hour non-majors lab sections (GS 122).

REVISED COURSESGS 121 Physical Geology Lecture

"Old" GS 122 deleted

"Old" GS 123 renumbered to "new" GS 122 Physical Geology Lab

This course sequence will now be restricted to Geoscience majors and minors, and to outside majors who need a specialized in-depth treatment of physical geology. This change allows us to keep up with the changing pace of the field. The bulk of non-major demand will now be met by our new non-majors sequence, Introduction to Geoscience (GS 101-106).

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Justification for revision of Physical Geology (GS 121-122) course sequence

a. Justification for change in course prerequisites: Physical Geology was originally designed to serve both majors and non-majors as a general introduction to the physical processes of the earth. As the field of geoscience becomes more complex, more quantitative and more specialized, however, we have found it increasingly difficult to serve this dual audience adequately with a single course. We have therefore designed an entirely new Liberal Studies course sequence (Introduction to Geoscience) which includes a semester-long course in geology (The Dynamic Earth) which will give non-majors a rigorous and topical overview of both physical and historical geology. Simultaneously, we wish to retool Physical Geology to give our department majors and minors a more specialized and in-depth background for their upper-level classes, thus keeping pace with the increasing complexity of the field.

Majors from science departments and other departments such as Anthropology and Geography, who need the same in-depth treatment of introductory geology, will also be allowed to take this course sequence, as will selected other students (by faculty permission) who have a serious interest in the field and/or intentions of minoring in the future. Please note that Anthropology Majors, Geography & Regional Planning Majors and potential minors are currently placed in the Intensive (3-hour) lab, so that no change in their program will result from this course revision.

b. Justification for change in catalog description: The new catalog description for GS 121 more accurately represents the course content and emphasizes that GS 121 is designed to prepare

majors and minors for upper-level geology classes.

c. Justification for change in number from “old” GS 123 to “new” GS 122 : we propose to attach the number 122 to our “old” 123 so that Physical Geology Lecture and Lab are numbered sequentially.

PART II DESCRIPTION OF CURRICULUM CHANGE

1. New Syllabi of Record:

GS 121 Physical Geology

I. Catalog Description:

GS 121 Physical Geology

3 credits

3 lecture hours

(3c-0l-3sh)

Prerequisites: Geoscience majors/minors, any science or science education majors/minors, Anthropology/Geography/Regional Planning majors, or permission of instructor

Introduction to the science of the earth, including physical properties of its interior and crust; its tectonic and surface processes; and the complex geologic interactions which shape and modify our planet. Designed to prepare students for upper-level geology classes.

II. Course Objectives

1. Students will learn about the earth's structure, tectonic activity and geophysics.
2. Students will study the origin of rocks and the rock cycle
3. Students will examine the role that geologic hazards play in everyday life.
4. Students will gain enough knowledge and understanding of earth processes to prepare them for upper-level geology and environmental geoscience course-work.

III. Course Outline

A. Introduction to Physical Geology (4 hours)

Origin of the Earth

Plate tectonics: theory

Plate tectonics: modern examples

The rock cycle

B. Igneous rocks and minerals (5 hours)

Minerals made from molten rock

Plutons and volcanoes

Igneous rocks of the ocean floor

Igneous rocks from island arcs

Igneous rocks on continents

C. Sedimentary rocks and minerals (5 hours)

- Minerals made by weathering
- Sediments and sedimentation processes
- Sedimentary rocks on land
- Sedimentary rocks along the shore
- Sedimentary rocks in the sea
- D. Metamorphic rocks and minerals (4 hours)
 - Minerals made by heat & pressure
 - Regional metamorphism
 - Other types of metamorphism
 - Metamorphism and plate tectonics
- E. Time and rock deformation (4 hours)
 - Stratigraphy: the science of layered rocks
 - Geologic time and ways to tell it
 - Folds and ductile strain
 - Faults and brittle strain
- F. The Earth's hydrosphere (5 hours)
 - The hydrologic cycle and the origin of water
 - Groundwater flow and chemistry
 - Caves and karst development
 - Rivers: erosional and depositional agents
 - The sea around us
- G. Climates and landscape (5 hours)
 - Deserts: wind, sand dunes and pavements
 - Glaciers and the effects of glaciation
 - Ice Ages, past and present
 - Mass wasting and natural hazards
 - Landscape development
- H. The Earth's internal processes (5 hours)
 - Earthquakes: processes and natural hazards
 - Geophysics: heat flow, magnetism and gravity
 - Plate tectonics revisited
 - Evidence for plate tectonics
 - Mountain building events
- I. The Earth's future (5 hours)
 - Energy resources: fossil fuels
 - Energy resources: renewable sources of energy
 - Mineral resources
 - Climate change, past and future
 - The earth's changing environment

IV. Evaluation Methods

Your grade in this course will be calculated from four non-cumulative exams (worth 100 points each) and one written book report (worth 50 points). Exams will consist of short answer and essay questions. Exam scores will be adjusted to a mean of 75% so that 90-100%=A; 80-89%=B; 70-79%=C; 60-69%=D; and below 60%=F.

V. Required Textbook, Supplemental Book and Readings

Text: Press, F. and Siever, R., EARTH (1995, 4th Ed.). New York: W.H. Freeman and Company, 656 p.

Non-text: May vary with instructor, but will include choices such as:

David Brin EARTH

Paul Preuss CORE

John McPhee THE CONTROL OF NATURE

John McPhee BASIN AND RANGE

VI. Special Resource Requirements: None

VII. Bibliography: .

Bates, R.L. and Jackson, J.A., 1984, DICTIONARY OF GEOLOGICAL TERMS. New York: Doubleday, 571 p.

Coch, N.K. and Ludman, A., 1991, PHYSICAL GEOLOGY. New York: McMillan Publishing Company, 678 p.

McKinney, M.L. and Tolliver, R.L., 1994, CURRENT ISSUES IN GEOLOGY: SELECTED READINGS. New York: West Publishing Company, 254 p.

Plummer, C.C. and McGear, D., 1993, PHYSICAL GEOLOGY (6th ed). Dubuque, William Brown Publishers, 537 p.

Skinner, B.J. and Porter, S.C., 1989, THE DYNAMIC EARTH. New York: John Wiley & Sons, 541 p.

Skinner, B.J. and Porter, S.C., 1995, THE BLUE PLANET: AN INTRODUCTION TO EARTH SYSTEM SCIENCE. New York: John Wiley and Sons, 493 p.

GS 122 Physical Geology Lab

I. Catalog Description:

GS 122 Physical Geology Lab

1 credit

3 lab hours

(0c-3l-1sh)

Prerequisites: Geoscience majors/minors, any science or science education majors/minors, Anthropology/Geography/Regional Planning major, or permission of instructor

Co-requisite: Enrollment in GS 121

Selected problems in rock and mineral identification, topographic and geologic mapping techniques, geologic landforms and deformation structures. Designed to prepare students for upper-level geology classes. Includes field trips.

II. Course Objectives

1. Students will learn to identify basic rock-forming minerals and rocks.
2. Students will discover how geologic data is represented in maps and cross-sections.
3. Students will apply their map and sample identification skills to reconstruct ancient earth environments and to determine the evolution of tectonic events.
4. Students will gain enough knowledge and understanding of rocks, minerals and maps to prepare them for upper-level geology and environmental geoscience lab-work.

III. Course Outline

A. Minerals: the building blocks of rocks (2 labs)

Techniques of mineral identification

Common rock-forming minerals

B Identification of common rocks (3 labs)

Igneous rocks

Sedimentary rock

Metamorphic rocks

C. Field trip & skill synthesis (1 lab)

Torrance coal measures

D. Midterm Exam (1 lab)

E. Mapping skills (4 labs)

Topographic maps I: basic skills

Geologic maps I: simple structures

Geologic maps II: complex structures

Topographic maps II: landscape

F. Field trips and skill synthesis (2 labs)

Young Township Park

Altoona Valley & Ridge

G. Final Exam (1 lab)

IV. Evaluation Methods

Your grade for GS 122 will be determined from an average of eight 10-point quizzes and two 100-point lab exams. Exams will be adjusted to a mean of 75% so that 90-100%=A; 80-89%=B; 70-79%=C; 60-69%=D; and below 60%=F.

V. Required Textbook, Supplemental Book and Readings

IUP Physical Geology Lab Manual. This lab manual was locally developed to take advantage of the unique local geology of the Indiana area. Several nationally published lab manuals were consulted during the development process to ensure quality, parity and relevance to national trends.

VI. Special Resource Requirements: None

VII. Bibliography:

Jones, N.W., 1995, LABORATORY MANUAL FOR PHYSICAL GEOLOGY. Dubuque: Wm. C. Brown Publishers. 292 p.

McKinney, M.L. and Tolliver, R.L., 1994, CURRENT ISSUES IN GEOLOGY: SELECTED READINGS. New York: West Publishing Company, 254 p.

Plummer, C.C. and McGary, D., 1993, PHYSICAL GEOLOGY (6th ed). Dubuque, William Brown Publishers, 537 p.

Press, F. and Siever, R., EARTH (4th Ed.). New York: W.H. Freeman and Company, 656 p.

Skinner, B.J. and Porter, S.C., 1989, THE DYNAMIC EARTH. New York: John Wiley & Sons, 541 p.

Old syllabi (appended)

Letters of Support (appended)

Anthropology - requested

Geography & Regional Planning - received

PHYSICAL GEOLOGY
GS 121-02A MWF 11:45-12:45

FALL 1994 SYLLABUS

GENERAL INFORMATION

PROFESSOR: KAREN ROSE CERCONE
OFFICE: 112 WALSH HALL
OFFICE HOURS: MF 10:30-11:30; MWF 2:00-3:00 or by appointment
OFFICE PHONE: 357-5623

READING MATERIAL

Text: EARTH by Press & Siever (for all Geoscience Majors)
UNDERSTANDING EARTH by Press & Siever (for non-majors)

Non-text: EARTH by David Brin (science fiction)
(Choose one) CORE by Paul Preuss (science fiction)
BASIN AND RANGE by John McPhee (non-fiction)
THE CONTROL OF NATURE by John McPhee (non-fiction)

GRADING

Your grade in this course will be calculated from four non-cumulative exams (worth 100 points each) and one written book report (worth 50 points). Exams will consist of multiple-choice, true-false and matching questions. Exam scores will be adjusted to a mean of 75% so that 90-100%=A; 80-89%=B; 70-79%=C; 60-69%=D; and below 60%=F.

MISSED EXAMS

If you miss an exam for any reason, you can take a cumulative essay make-up exam during the second hour of the final exam period to replace your missing score. If no exams are missed, you can also take this same cumulative essay exam to replace the score from your lowest exam. **Warning: you cannot miss more than one exam unless you have a serious and officially documented medical emergency.**

READING ASSIGNMENTS

Textbook assignments are meant to assist you in understanding the lecture material and should be read just after the day we cover that topic. Non-text assignments can be read at any point during the semester. A 4-5 page type-written book review must be turned in for one of the non-text books by the last day of class.

ATTENDANCE

Attendance will be taken midway through each class session, during the note exchange break. Students with attendance records of better than 90% will receive a 2-point boost on any test score that falls just below a grade.

OFFICE HOURS

Please feel free to use my office hours to review your notes before tests, go over your exams, etc. I don't use those hours for research or writing, so I look forward to your visits!

DATE	LECTURE	UNDERSTANDING EARTH	EARTH
Aug 31	Introduction to Physical Geology	Chap 1	Chap 1
Sept 2	Origin of the Earth		
7	Plate tectonics	(Chap 20)	(Chap 20)
9	The rock cycle	Chap 3	Chap 3
12	Minerals made from molten rock	Chap 2	
14	Plutons and volcanoes	Chap 4,5	Chap 15, 16
16	Igneous rocks of the ocean floor		
19	Igneous rocks from island arcs		
21	Igneous rocks on continents		
23	Minerals made by weathering	Chap 6	Chap 5
26	First Hourly Exam		
28	Sediments	Chap 7	Chap 12
30	Sedimentary rocks on land		
Oct 3	Sedimentary rocks along the shore		
5	Sedimentary rocks in the sea		
7	Minerals made by heat & pressure	Chap 8	Chap 17
10	Regional metamorphism		
12	Other types of metamorphism		
14	Stratigraphy	Chap 9	Chap 2
17	Geologic time		
19	Folds	Chap 10	Chap 4
21	Second Hourly Exam		
24	Faults		
26	The water cycle	Chap 12	Chap 7
28	Groundwater		
31	Caves and karst		
Nov 2	Rivers	Chap 13	Chap 8
4	Deserts	Chap 14	Chap 9
7	Glaciers	Chap 15	Chap 10
9	Mass wasting	Chap 11	Chap 6
11	Landscape	Chap 16	
14	Oceans	Chap 17	Chap 11
16	Third Hourly Exam		
18	Earthquakes	Chap 18	Chap 18
21	Geophysics	Chap 19	Chap 19
28	Plate tectonics revisited	Chap 20	Chap 20
30	Evidence for plate tectonics		
Dec 2	Mountain Building	Chap 21	Chap 21
5	Energy resources	Chap 22	Chap 23
7	Mineral resources	Chap 23	
9	Climate change		Chap 13
12	The earth's changing environment		
Dec 19	Fourth Hourly Exam and Make-up Exam		
12:30-2:30			

INTENSIVE PHYSICAL GEOLOGY LAB
SYLLABUS
FALL 1994

GS 123 Sections 001 & 002
Dr. J. F. Taylor
129 Weyandt

Office Hours
M 9:00-10:00
2:30-4:30
W 9:00-10:00
R 8:30-9:30

<u>Date</u>	<u>Exercise</u>	<u>Topic</u>
Sept. 1	1	Mineral Identification (rock-forming minerals)
8	2*	Classification of igneous rocks
15	3*	Classification of sedimentary rocks
22	4*	Economic minerals and metamorphic rocks
29		FIELD TRIP #1 - Torrance, PA - Sedimentary rocks and depositional environments
Oct. 6		MIDTERM EXAM: (ROCK AND MINERAL IDENTIFICATION)
13	5	Topographic maps
20	6*	Structural geology
27		FIELD TRIP #2 - Geomorphology and surface hydrology
Nov. 3	7*	Geologic maps
10	8*	Geologic maps and structure sections
17	9	Geomorphology
24		THANKSGIVING BREAK
Dec. 1	9	Geomorphology (continued)
8		LAB FINAL

Grading: Based on

- a) Scheduled quizzes (at the beginning of labs marked with asterisks above); all are comprehensive. (100 points = 30% of final grade)
- b) Two major exams, each worth 100 points (60% of the final grade)
 - 1. Midterm (rock & mineral identification)
 - 2. Final (maps, field trips, some rocks & minerals)
- c) Class participation (attendance is mandatory and active participation is expected) (10% of the final grade)

All exams and quizzes are "closed book"

The following materials will be very helpful in completing the exercises:

- 10X pocket magnifier (hand lens)
- protractor
- ruler (one side metric, one side english)
- a box of colored pencils
- several black pencils (#2)
- a small calculator

Dress warmly for field trips with footwear suited to wet or uneven ground.

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**GS 122 - PHYSICAL GEOLOGY LAB
FALL 1994 SYLLABUS**

Professor: Karen Rose Cercone
Office: 112 Walsh Hall
Office Hours: M and F 10:30-11:30; MWF 2:00-3:00 or by appointment
Text: Physical Geology Lab Manual (available at Kinko's)

DATE	TOPIC	LAB CHAPTER
8/31	Introduction	
9/ 7	Minerals	
9/14	Igneous Rocks	
9/21	Sedimentary Rocks	
9/28	(No class)	
10/5	Metamorphic Rocks	
10/12	MIDTERM	
10/15	REQUIRED SATURDAY FIELD TRIP -- 9:00-5:00	
10/19	Topo Maps	
10/26	Structural Geology	
11/ 2	Geologic Maps	
11/ 9	Geomorphology	
11/16	FINAL EXAM	
11/30	(No class)	
12/ 7	(No class)	

Your grade in this class will be determined by six 10-point quizzes (the lowest of which will be dropped) and two 100-point exams, for a total of 250 possible points. All quizzes and exams will be open-book. Scores from each exam will be corrected to a mean of 75% so that 90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D; and below 60% = F.

PLEASE NOTE THAT THE SATURDAY FIELD TRIP IS MANDATORY. If you foresee a conflict due to work schedule, athletic events or other school functions, please notify KRC immediately so that other arrangements can be made. If you miss the trip without advance notification, you will receive a D grade for this class.

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.

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

(412) 357-2250



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, appearing to read 'Joe', is positioned above the typed name.

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

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. SUTTON~~

12.GS111.MEM

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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