

RECEIVED

W. 1000

Dear Sirs,  
I have the pleasure to acknowledge the receipt of your letter of the 10th inst. in relation to the above-mentioned matter.

I am sorry to hear that you are unable to attend the meeting on the 15th inst. but I trust that you will be able to attend the meeting on the 22nd inst.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

I am sure that you will find the meeting on the 22nd inst. most interesting and profitable.

11

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

...the growth and ...

**2. Summary of revisions: Historical Geology (GS 131) & Historical Geology Lab (GS 132)**

**OLD COURSES**

**REVISED COURSES**

GS 132 Historical Geology Lab  
GS 133 Intensive Historical Geology Lab

"Old" GS 132 deleted  
"Old" GS 133 renumbered to "new" GS 132

majors and minors for upper-level geology classes.

C. Justification for change in number from “old” GS 133 to “new” GS 132: we proposed to attach the number 132 to our “old” 133 so that Historical Geology Lecture and Lab are numbered sequentially.

### **GS 131 Historical Geology Lecture**

**I. Catalog Description:**

GS 131 Historical Geology

3 credits

3 lecture hours

(3c-0l-3sh)

Pre-requisites: GS 121/122; Geoscience majors/minors, science or science education majors/minors, Anthropology /Geography / Regional Planning Majors, or Permission of instructor

Introduction to history of the earth, including the fossil record and the history of biologic evolution; the growth and tectonic interactions of oceans and continents; and the physical evolution of the earth's atmosphere, lithosphere and hydrosphere. Designed to prepare majors and minors for upper-level geology classes.

**II. Course Objectives**

1. Students will discover how geologic time is measured and described.

Organic evolution  
Organic evolution  
C. Precambrian Life (4 hours)

Archean conditions and life  
Evolution of Earth's atmosphere & hydrosphere  
Proterozoic conditions and life  
D. Paleozoic Life (4 hours)

Early Paleozoic life  
Mid-Paleozoic life  
Late Paleozoic life  
Permo-Triassic life  
E. Mesozoic and Cenozoic Life (5 hours)  
Mesozoic life  
Mesozoic life (con't)  
Mesozoic life (con't)  
Cenozoic life  
Cenozoic life

F. The Earth's physical evolution (4 hours)  
Plate tectonics revisited  
Index rocks  
How to make a planet  
Phanerozoic overview

G. Precambrian Tectonics (4 hours)  
The Archean Earth  
United Plates of America (Part I)  
The Proterozoic Earth

North America today

**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. 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.

**V. Required Textbook, Supplemental Book and Readings**

**New syllabus of record for GS 132 Historical Geology Lab**

**I. Catalog Description:**

GS 132 Historical Geology Lab

1 credit

3 lab hours

(0c-3l-1sh)

Pre-requisites: GS 121/122; Geoscience majors/minors, science or science education

G. Final Exam (1 lab)

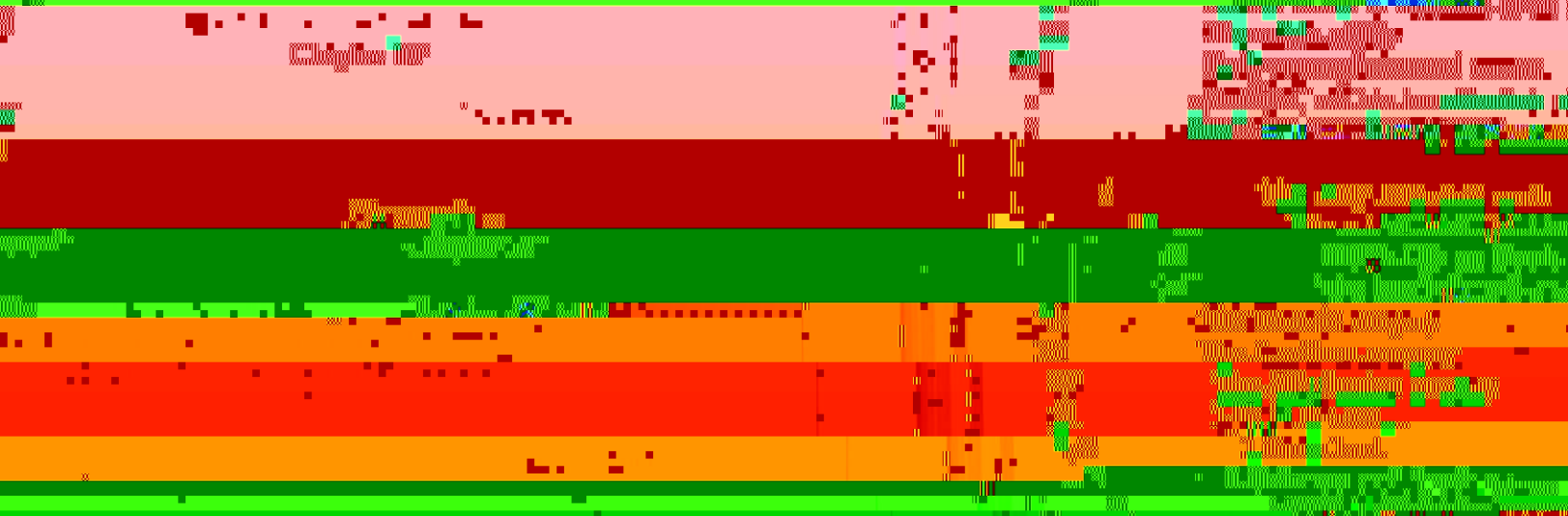
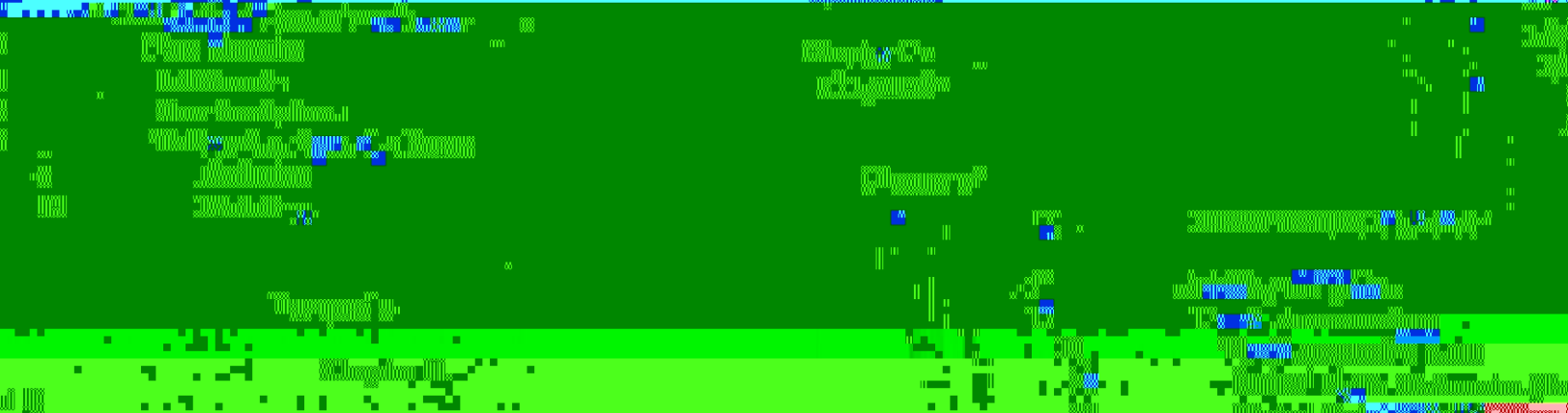
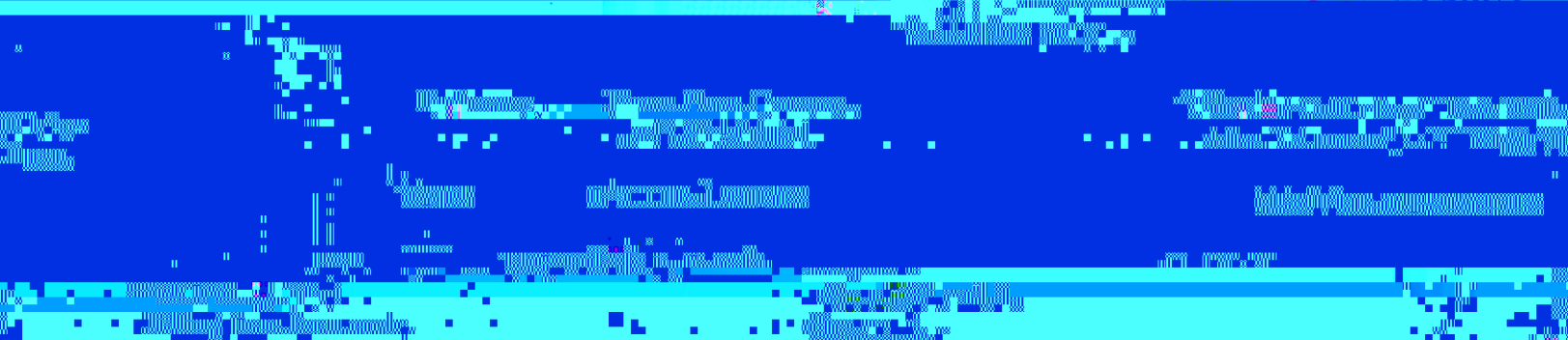
IV. Evaluation Methods

Grades for GS 131 (lecture) and GS 132 (lab) are reported separately and do not affect each other. Your grade for GS 132 will be determined from an average of two 100-point lab exams, each adjusted to a mean of 75% so that 90-100%=A; 80-89%=B; 70-79%=C; 60-69%=D;

V. Required Textbook, Supplemental Book and Readings

IUP Historical Geology Lab Manual. This lab manual was locally developed to take advantage of the unique local geology of the Indiana area. Several national manuals





### GS 131-01A HISTORICAL GEOLOGY COURSE INFORMATION

**Grading policy:**

The grade for the course is based entirely on your scores from hourly exams. Each hourly exam is non-comprehensive and consists of 50 2-point multiple-choice/true-false questions. Exam grades are adjusted to a mean of 75% so that 90-100%=A; 80-89%=B; 70-79%=C; 60-69%=D; and below 60%=E. ONE test can be missed or have its grade dropped from your average provided that a book review

or Geoscience Day review is submitted by Reading Day (May 5). If no review is submitted, all four test scores, including any zeros, will be averaged to calculate your final grade. If a review is submitted, your lowest grade (or one missed exam) will not be counted into the final grade average. Final grades will be posted on May 7.

**Textbook:**

The required text for this class is Steve Stanley's text Earth and Life through Time. Only the specific

reading assignments from the chapters listed on the syllabus will be assigned. Other



REQUIRED MATERIALS - In addition to this manual, you will need the following materials:

a protractor (ideally marked with a metric scale as well)

FIELD NOTES - Observations made and discussed during field trips are as

# GS 132 HISTORICAL GEOLOGY LABORATORY SYLLABUS

## Part 1 - Fossils

Text:

GS 122 Lab Manual Part 1

Hours:

Date  
3-27

Topic

Geologic maps

3-29

Paleozoic structures

4-5

FIELD TRIP: CONEMAUGH GORGE

4-28

... requires an extra 100 minutes each day outside of your classes. Please  
free this time for it at all possible. As a result, your field trip  
will get the following week off (time can be used as review session)

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

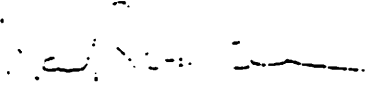
From: Karen Rose Cercone, Geoscience Curriculum Contact

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

Date: March 22, 1995

To: Dennis Whitson, Chair of the 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. It was developed by the

Date: March 22, 1995

To: Pothan Varughese, Chair of the 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

and introductory classes, the Geoscience Department



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

~~Attached are course revision documents for the Geoscience Curriculum Committee~~



Date: March 22, 1995

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

From: Karen Rose Cercone, Geoscience Curriculum Contact

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

(412) 357-2250

1979

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

IUP. CHEMISTRY DEPARTMENT

To: Karen Rose Cercone  
Geoscience Curriculum

**MEMORANDUM FROM**

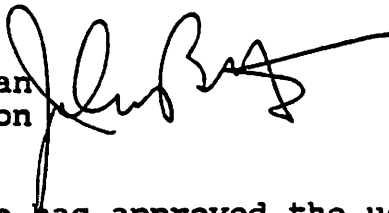
**COLLEGE OF EDUCATION**

**DATE:** April 6, 1995

**SUBJECT:** Approval Course Revision

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. [redacted]~~

12.GS111.MEM

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 separate fields will permit more demanding and focused assignments.