Ohio Articulation Number (OAN)
Course Submission Form
2005-2006

College/University  Cleveland State University

Course(s) Submitted (Title & Course #)  Introductory Geology, GEO 100  for
Ohio Articulation Number  OSC 011

Date  July 12, 2006  Course  1  of a  2  Course OAN mapping.

Name and title of individual submitting on behalf of the college/university

Name  Richard Arndt  Title  Dean of Undergraduate Recruitment and
College Partnerships

Address  2121 Euclid Avenue, BU 508
E-mail  r.arndt62@csuohio.edu
Phone  216-687-5139
Fax  216-687-9210

Credit Hours  3  qtr  ___  sem  X  ___
Lecture Hours  3  ___
Laboratory Hours  0  ___ (if applicable)
Pre-Requisites(s)  Course work (if applicable)
Co-req. GEO 101

Placement Score (if applicable)
(Name of test)  
(Domain)  
(Score)  

Catalog/Course Description (Includes Course Title and Course #)
Basic instruction concerning the composition of the earth, with a detailed
discussion of the physical and chemical processes that bring about its
continual evolution.

Texts/Outside Readings/Ancillary Materials
Physical Geology, by Plummer, McGeary and Carlson
### Course Objectives and/or Plan of Work

Basic instruction concerning the composition of the earth, with a detailed discussion of the physical and chemical processes that bring about its continual evolution.

### Description of Assessment and/or Evaluation of Student Learning

The grade will be based on two midterm and a non-comprehensive final examination on the lecture subjects. All exam are multiple choice with forty questions.

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<tr>
<th>EXAMS</th>
<th>DATES</th>
<th>CONTRIBUTION TO FINAL</th>
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<tbody>
<tr>
<td>First hour exam</td>
<td>July 18</td>
<td>33%</td>
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<tr>
<td>Second hour exam</td>
<td>July 31</td>
<td>33%</td>
</tr>
<tr>
<td>Final exam</td>
<td>August 10</td>
<td>34%</td>
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### MAKE-UP POLICY AND THE COURSE REQUIREMENTS

There will be NO make-up exam given without either an excuse in writing from a physician or an emergency.

Students are responsible to take all the scheduled exams to meet the requirements for this class. A missing exam will be considered as a failing exam. Students are also responsible for all the advanced announcements made by the instructor regarding changes in the syllabus including exam dates.

### ATTENDANCE:

Attendance will be taken on unannounced days.

Master Syllabi and Working Syllabi (if both are used)

**INTRODUCTORY GEOLOGY**

**GEOLOGY 100**

**SUMMER 2006**

**INSTRUCTOR:** Dr. A. Babaei

**OFFICE:** G-66, Science Research Building

**OFFICE PHONE:** 216-687-3506

**E-Mail:** a.babaei@csuohio.edu
MEETING TIME: Lectures: MTWR 10:00-11:30
Laboratory: See the Bulletin for your assigned sections

OFFICE HOURS: 11:30-12:00 MTWR

MEETING ROOM: Lecture in SR G-60 and lab in SR G-65

TEXT BOOK: Physical Geology, by Plummer, McGeary and Carlson

GRADE BREAKDOWN: The grade will be based on two midterm and a non-comprehensive final examination on the lecture subjects.
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TENTATIVE OUTLINE
INTRODUCTORY GEOLOGY
GEOLOGY 100
SUMMER 2006

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<tr>
<td>Week one</td>
<td>1. Introduction, Minerals</td>
<td>Ch. 2</td>
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<td>2. Minerals and mineral structures</td>
<td>Ch. 2</td>
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3. Igneous rocks and Bowen’s reaction series Ch. 3 & 4
4. Volcanic rocks/ sedimentary rocks Ch. 6

Week two
1. Sediments and sedimentary rocks Ch. 6
2. Rock cycle and metamorphism Ch. 7
3. Metamorphic rocks Ch. 7
4. Components of landscapes Ch. 5
5. Weathering and erosion/ Review session Ch. 5

**JULY 18, FIRST HOUR EXAM**

Week three
1. River systems Ch. 10
2. Mass movements Ch. 9
3. Ice age and glaciation Ch. 12

Week four
1. Arid climates and deserts Ch. 13
2. Wave action and longshore drift Ch. 14
3. Shoreline landforms Ch. 15
4. Review session/Rock deformation Ch. 15

**JUNE 31, SECOND HOUR EXAM**

Week five
1. Rock deformation and structural geology Ch. 15
2. Alfred Wegener and the theory of continental drift Ch. 19

Week six
1. Plate tectonics and plate boundaries, Ch. 16&17
2. Seismic waves Ch. 16&17
3. Earthquakes and prediction Ch. 16&17
4. Review session

**FINAL EXAM- THURSDAY, AUGUST 10, 10:00-11:00 a.m.**

Additional Documentation
<table>
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<tr>
<th>OBR Use</th>
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<td>Approved</td>
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<td>Additional Information Requested</td>
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