This course is an introduction to how the solid earth works, how it affects our environment, and how its workings give rise to energy and other resources. The course has lectures and laboratories. The required field trip is on Saturday, October 15, 2016 (8 AM – 7 PM). Students do not pass this course unless they satisfy the field trip requirement.

Students may not use laptop computers, cellular phones, ipads or electronic equipment other than I-clickers during class.
GRADES are based on lecture tests (50%), labs (25%), pre-lab questions (5%) and quizzes (20%). NO MATTER HOW WELL YOU DO ON THE EXAMS, IF YOU FAIL THE LABS YOU WILL FAIL THIS COURSE!

Guaranteed minimum percentage needed for the final grade: A≥85%, B≥75%, C≥65%, D≥55%, and F<55%. When final grades are assigned after the end of the term, sometimes the needed percentage for a given letter grade will be reduced, but NEVER raised.

LECTURE TESTS: There are three 50-minute tests during the term (NO FINAL TEST DURING FINALS WEEK) based on the lectures and reading. There are no make-up tests.

QUIZZES will be given each lecture (EXCEPT for test days and the first week). Your I-clicker2 will be used to answer the quiz questions. The eight lowest scores on quizzes will be dropped. There are no make-up quizzes.

LAB SECTIONS: You will not get credit for a lab if you did not attend. Please read the lab chapter before coming to lab. Some labs may require work to be done on Blackboard before the lab session. Bring your lab book to lab each time. Lab exercises are due in one week at the BEGINNING of the next lab period (unless announced otherwise). No late reports will be accepted. The lowest two lab grades will be dropped. There are no make-up labs. The lab test is during week 15 in lab.

ATTENDANCE at lectures is expected. Poor attendance almost invariably results in poor grades. Not all subjects in lecture are in the text. You are responsible for knowing about any announcements made during lectures.

PROBLEMS: Please bring any problems to your teaching assistant or to Prof. Stein in a timely manner! We will deal with them in a timely manner. If you have a valid excuse for missing an exam or lab, or for turning in an assignment late, you must discuss your reasons with your teaching assistant or Prof. Stein in advance or within 24 hours afterwards. Remember that the eight lowest quizzes and two lowest labs are dropped. We cannot provide "makeup" quizzes or labs or exams.

ACADEMIC INTEGRITY: Academic dishonesty will not be tolerated. For all work you must adhere to the guidelines regarding academic integrity as described in the UIC Student Handbook & UIC web pages. Any student caught and proven to have committed an act of academic dishonesty (including using another student's I-clicker) will receive a zero for the particular item and may fail this course. This may result in a recommendation to your college for dismissal from the University. Students are expected to turn in their own work.

Students with disabilities who require accommodations for access and participation in this course must be registered with the Office of Disability Services (ODS). Please contact ODS 1200 W. Harrison St. Room 1190, SSB (M/C 321) at 312/413-2103 (voice) or 312/413-0123 (TTY) or 312/413-7781 (FAX). Then, please inform Prof. Stein and your teaching assistant so your needs may be appropriately met.
This schedule is subject to change without notice. Chapters for the lectures are from the textbook. Labs are from the EAES 111 Lab Manual. The Monday dates for each week are listed.

**Week 1:** Introduction- Chapter 1  
Aug. 22 Lab 1: Introduction

**Week 2:** Minerals- Chapter 2  
Aug. 29 Lab 2: The Physical Earth

**Week 3:** Rocks & Igneous Rocks- Chapters 3 & 4 (NO LECTURE MON. Sept 5, Labor Day)  
Sept. 5 Lab 3: Minerals

**Week 4:** Sedimentary Rocks- Chapter 5  
Sept. 12 Lab 5: Rocks

**Week 5:** Metamorphic Rocks- Chapter 6 / TEST 1- Friday Sept. 16th  
Sept. 19 Lab 6: Rock History

**Week 6:** Time- Chapter 7  
Sept. 26 Lab 7: Radioactivity & Geologic Time & Mineral Quiz

**Week 7:** Earth's Interior- Chapter 8  
Oct. 3 Lab 8: Geologic Maps, Part 1

**Week 8:** Origin of Earth & some Chicago Geology - Chapter 9  
Oct. 10 Lab 8: Geological Maps, Part 2  
**Required Field Trip, Saturday Oct 15th from 8 AM - 7 PM; BRING LAB 9**

**Week 9:** Motion Inside Earth- Chapter 10  
Oct. 17 Lab: Lab 9/Field Trip Discussion & Review

**Week 10:** Deformation of Rocks- Chapter 11; / TEST 2- Friday October 28th  
Oct. 24 Lab 10: Seafloor Spreading and Continental Drift

**Week 11:** Global Tectonics- Chapter 12  
Oct 31 Lab 11: The Stable Interior of North America Lab

**Week 12:** Tectonics and Surface Relief- Chapter 13  
Nov. 7 Lab 14: Earthquakes & Earthquake Hazards

**Week 13:** Water- Chapter 17  
Nov 14 Lab 16: Groundwater

**Week 14:** Chicago Geology & Climate Change- some of Chapters 18 & 21  
Nov. 21 Lab: No labs this week. No class Friday Nov. 25th for Thanksgiving break

**Week 15:** Mineral and Energy Resources / TEST 3- Friday December 2.  
Nov. 28 Lab: LAB TEST **THERE IS NO FINAL DURING FINALS WEEK.**