

Ore, Energy, and Society - syllabus

Topic	Reading
September	
8 Introduction to ore and the course	----
9 The rock cycle, and ore concentrating processes	Press & Siever Ch. 3
10 Plate tectonics	Press & Siever Ch. 20
11 Plate tectonics	Press & Siever Ch. 20
15 Plate tectonics	Press & Siever Ch. 20
16 Diamonds and other gems	Kidder Ch. 8
17 Diamonds and other gems	Kidder Ch. 8
18 Gold	Kidder Ch. 2
22 Silver, and the platinum group	Kidder Ch. 2
23 EXAM I	
24 Copper	Kidder Ch. 3
25 Copper and tin	Kidder Ch. 3
29 Energy	Kidder Ch. 5
30 Energy	Kidder Ch. 5
Oct. 1 Energy	Kidder Ch. 5
2 Energy	Kidder Ch. 5
6 Energy	Kidder Ch. 5
7 Iron and steel	Kidder Ch. 6
8 Iron and steel	Kidder Ch. 6
9 Iron and steel	Kidder Ch. 6
13 Iron and steel	Kidder Ch. 6
14 EXAM II	
15 Aluminum	Kidder Ch. 7
16 Titanium and magnesium	Kidder Ch. 7
20 Water	Kidder Ch. 10
21 Water	Kidder Ch. 10
22 Lead, Zinc, and Cadmium	Kidder, Ch. 4
23 Industrial minerals (salt, cement, and more)	Kidder Ch. 9
27 Industrial minerals	Kidder Ch. 9
28 Industrial minerals	Kidder Ch. 9
29 Industrial minerals	Kidder Ch. 9
30 Industrial minerals	Kidder Ch. 9
Nov. 3 Video: The Dead Sea	----
4 Video: After the Warming, Part I	----
5 Video: After the Warming, Part II	----
6 Video: Roman Baths	----
10 Fertilizer	Kidder Ch. 11
11 Veteran's Day -- No Class	
12 EXAM III	
13 Diatomite	----
17 Discussion of final exam/review	----

Ore, Energy, and Society - Geology 170

other class information

FINAL EXAM: Monday, November 24 @ 12:20 p.m.

Final exam is comprehensive

Textbook:

1. required: Kidder, D.L., 2000, Ore, Energy, and Society: Grade A Notes, 110 p.
(purchase copy at Grade A Notes)

and

2. do not buy this one: Press, F. and Siever, R., Understanding Earth, W.H. Freeman and Co., New York. (You can read either the chapters in the 1994 or 2001 edition, the material is basically the same in both) **This book is on reserve for GEOL 170 (Kidder) in Alden Library Reserve Room on the 2nd floor of Alden Library)**

note - if you have a good introductory geology book (For example from Geology 101), you can substitute the chapter that covers the rock cycle and the chapter that covers Plate Tectonics for the Press and Siever chapters 3 and 20 respectively

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Office Hours: **Tuesday and Wednesday: 3:30 to 4:30 p.m.** and by appointment.

Grading: Four exams will make up your grade

Exam I = 20%

Exam II = 25%

Exam III = 25%

Final = 30%

Note: Sample exam copies are posted on my website (<http://www.ohiou.edu/geology/facstaff/kidrpag.html>). Alternatively, you can visit the Geological Sciences website (<http://www.ohiou.edu/geology/>), find my name in the directory, and look under class information to link to Geology 170.

Paper copies of sample exams are on reserve in Alden Library (2nd floor reserve desk)

Cheating will not be tolerated. Such academic misconduct may result in a failing course grade and possible submission to the Ohio University judicial board.

Attendance policy: Attendance will not be taken in class. However, students are warned that illustrations and discussion of some topics will often reach beyond the material covered in the text. Students missing this classroom coverage will be at a disadvantage on examinations. Lecture material will be emphasized on examinations.