

Geology 428/628

GEOCHEMISTRY

Fall Semester 2006

Course content:

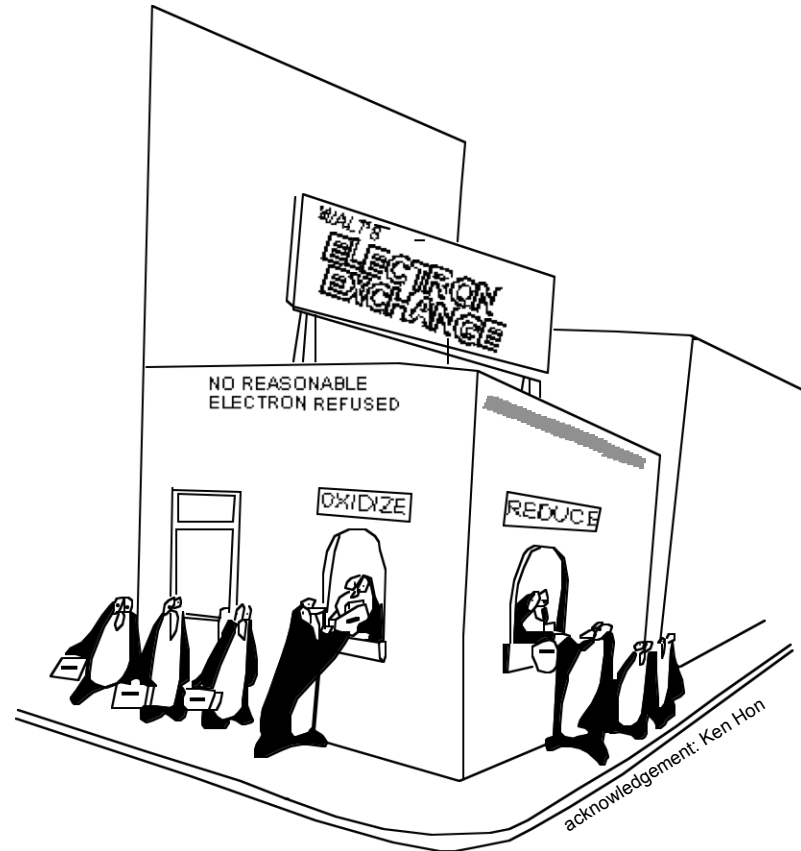
review of solubility, acid/base and electrochemical concepts; **aqueous geochemistry** and solid-water interactions with an emphasis on **ground water**; chemical weathering; mineral thermodynamics and redox (Eh-pH) diagrams and their applications to **soil** and mineral stability and ground water chemistry; modeling; **environmental geochemistry**; and isotopes applied to groundwaters.

Meeting Times:

Tuesdays and Thursdays
9:30 - 10:45 am
Stevens Hall 134

FOR INFORMATION CONTACT:

Instructor: B. Saini-Eidukat
Email: bse@geosci.ndsu.edu
Class Numbers:
428: 12218; 628: 12219



Who should take this course:

anyone interested in **environmental science**
geology juniors or seniors interested in ground water or environmental geology;
soil science seniors and graduate students;
chemistry juniors or seniors interested in analytical or environmental chemistry;
chemistry graduate students with inorganic or analytical program emphasis;
civil engineering seniors or graduate students with a sanitary engineering emphasis;
biology/zoology seniors and graduate students interested in environmental science careers.