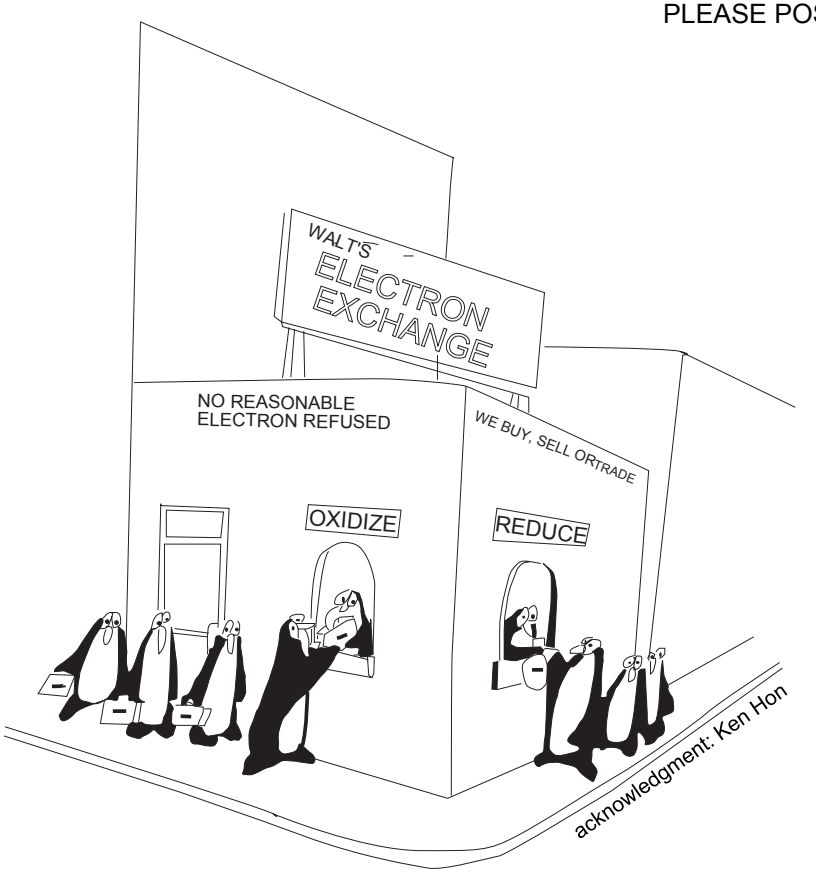
PLEASE POST

Geology 428/628
Chemistry 428/628

GEOCHEMISTRY

Fall Semester 2014

Course content:
review of solubility, acid/base and electrochemical concepts; **aqueous geochemistry** and solid-water interactions with an emphasis on **groundwater**; chemical weathering; mineral thermodynamics and redox (Eh-pH) diagrams and their applications to **soil** and mineral stability and groundwater 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:
Geol 428: 10461 628: 10462
Chem 428: 10464 628: 10463

Who should take this course:
anyone interested in **environmental science** or natural **water chemistry**
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/ grad students interested in environmental science careers