Geology 428/628
Chemistry 428/628

GEOCHEMISTRY
Fall Semester 2020

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 groundwater.

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

FOR INFORMATION CONTACT:
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Class Numbers:
Geol 428: 6169 628: 6172
Chem 428: 16312 628: 16313

Who should take this course:
anyone interested in environmental science or natural water chemistry
geology juniors or seniors interested in groundwater or environmental geology;
soil science seniors and graduate students;
NRM juniors, seniors and graduate students interested in environmental topics;
chemistry students interested in environmental chemistry;
civil engineering seniors or graduate students with a sanitary engineering emphasis;
biology seniors/grad students interested in environmental science careers;
ECS graduate students studying water related topics.