

Isotope Tracer Biogeochemistry

Geology 595 (3 Credits)

**Dr. Jeremy Stalker, Department of Geosciences,
University of Montana**

Time: MWF 8-9am (Negotiable)

Stable and Radioactive isotopes are being increasingly applied as tracers to examine both organic and inorganic systems. This course will consist of lecture on the theoretical behavior, methodology, and analysis of isotopic systems, discussion and analysis of scientific literature, and a semester project and presentation.

This class will be highly interdisciplinary in nature (including: meteorology, oceanography, forestry, limnology, biology, sedimentology, paleoclimatology, diagenesis, etc.) with particular emphasis placed on the students own research interests and solving problems with isotopic approaches in their chosen fields of study.