

GEOV 342 Spring 2017
Radiogenic and Stable Isotope Geochemistry

No books are required for purchase: The following resources will be useful for the students:

Excellent Isotope text and class notes from Cornell University:

<http://www.geo.cornell.edu/geology/classes/Geo656/656notes05.html>

Useful online material from UiT:

<http://ansatte.uit.no/kare.kullerud/webgeology/>

Radiogenic Isotope Geology (text, online)

Alan P. Dickin, Cambridge Univ. Press

<http://www.onafarawayday.com/Radiogenic/>

Additionally, there are a number of excellent textbooks available for both general background and specific applications. E.g. one of the better ones for stable isotope geochemistry is: **Stable Isotope Geochemistry, by Hoefs, Jochen, 6th ed. 2009**

The course will be run over 2 separate weeks of intense teaching (plus spillover this year due to schedule conflicts). One week will deal with stable isotopes and another will be dedicated to radiogenic isotope geochemistry. The course will consist of lectures and required problem sets. **Problem sets are obligatory and must be completed satisfactorily (largely correct) for course completion. Students will also be expected to give a short presentation in class on an isotope system/application of their choice. A semester essay is required (~3000-3500 words) and will be graded (Due June 1).**