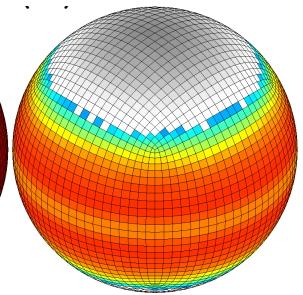
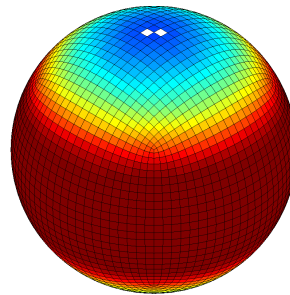


New course for Spring 2014

A ENV 480

Climate Laboratory

Professor Brian Rose office: ES 315 email: brose@albany.edu



Learn about climate by using climate models

This is a hands-on course in climate modeling, in which students will gain an appreciation for what climate models are, what their limitations are, and how they can be used to study natural phenomena. Topics include the physical laws governing climate and climate change, the hierarchy of model complexity, parameterization versus simulation, using models for prediction versus understanding, application of simple climate models to past and future climates on Earth (including radically different climates of the past such as Snowball Earth), accessing and analyzing results from IPCC models. Students will gain significant computer experience making calculations, analyzing results, and interpreting their significance.

Prerequisites: A MAT 113 or A MAT 119, A ATM 210, A ATM/ENV 315*

* This requirement may be waived for students with prior computer programming experience

Offered Spring 2014, Tu-Th 10:15 am – 11:35 am