

# MET 1222: Climate Change:Past & Present

Earth's climate and climate changes. Past climates (Paleoclimatology), major Ice Ages over the last billion years, methods for reconstructing past climates, including radio isotopic techniques. Fossil, geological, sedimentary, flora and fauna and documentary records. Physical causes of climate changes, recent warming trends in global climate (both natural and anthropogenic), future global climate (short- and long- term) and climate models. Possible effects of global climate change on our environment and resulting economic and geopolitical consequences.

**Credits:** 3.0

**Prerequisites:**

MAT 1310

MAT 1320

MAT 1330

MAT 1500

MAT 1400

MAT 1310 or MAT 1320 or MAT 1330 or MAT 1500 or MAT 1400

**Program:** [Astrophysics and Planetary Science](#)