STATE-OF-THE-ART IN CLIMATE SCIENCE
GEOG696c Autumn 2020

Dr. Kevin Anchukaitis
School of Geography, Development, and Environment
kanchukaitis@email.arizona.edu

M 3:00 to 5:30pm
Bannister 424

The newest report from the Intergovernmental Panel on Climate Change (IPCC AR6) will be published in late 2020 and 2021. The writing, synthesis, model simulations, and community review are all happening now. This graduate seminar will provide an in-depth review of the latest climate science on critical or controversial topics that will be part of the upcoming IPCC reports.

The course will focus on the cutting edge science that will be part of the 2020 and 2021 6th Assessment Reports (AR6) of the Intergovernmental Panel on Climate Change. We’ll read and debate the latest results on some of the major areas of uncertainty and societal impact, including emissions scenarios, climate sensitivity and radiative forcing, changes in climate models (CMIP6), especially predictions of future temperature, drought and water resources, sea level rise, glacier and ice sheet changes, tropical storms, and ocean and atmospheric circulation. The class is intended to provide physical scientists with a broad overview of the state of climate science across multiple specialities and to give social scientists familiarity with the latest results relevant to their topic or region. Topics beyond those listed above will be included based on students’ specific interests and foci.