Virtual Field Studies
South Africa
GEOL 395-03 | Dr. Adem Ali

Virtual Field Experience to South Africa. This course is designed to broaden your geology and environmental experience by providing you an opportunity to see some of the best geology outcrops in the world and discuss current environmental issues facing South Africa. In this course you will get the opportunity to understand Earth History by applying geologic principles, earth materials, depositional environments, stratigraphy, the geological timescale and plate tectonics. Class will include flying virtually to excellent exposures sites of rocks ranging in age from Proterozoic (Largest Impact Dome in the world) to Paleozoic (in the Famous Karoo Basin) to Modern Sand dune deposits (Langebaan on the Atlantic Coast). This course will also expose you to environmental injustices that persist in South Africa through an investigative approach of identifying and mapping: settlement locations, population and demography, mine tailings, pollutant industries, polluted waters and waste sites.