This course will explore how coastal archaeological data is increasingly being used to extend contemporary ecological observations of the marine environment within the interdisciplinary framework of historical ecology. We will consider anthropological theories and datasets in historical ecology by sampling select case studies from the worlds’ oceans and coastlines. Students will attend weekly lectures, labs, work with datasets, and undertake laboratory analyses and field trips as part of group and individual research projects. Together, we will attempt to expand the analytical potential of ecological data obtained from coastal archaeological sites and refine understanding of global environmental change via archaeological methods.