

Course Offered in January 2018

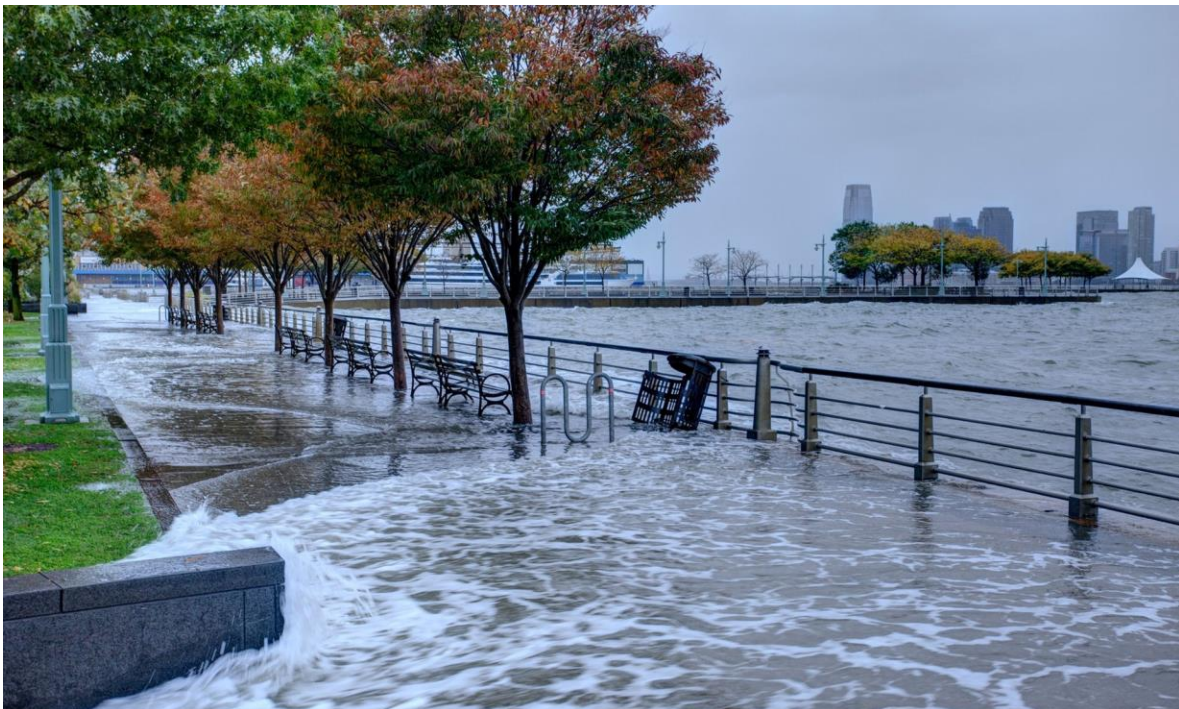
GLY6932 – Global Sea Level Change

Instructor: Alessandro Forte (Dept. of Geological Sciences)

Time & Location: Mon, Wed & Fri, period 4 in Williamson Hall room 214

Outline: We will provide a comprehensive understanding of the causes of global sea level variations across multiple spatial and temporal scales and the geological and instrumental observations that are employed to decipher and interpret these variations. This course will provide the basis for evaluating the degree to which sea level change during the current Anthropocene epoch may be considered anomalous.

This course will be structured in terms of the following major time scales: (1) Long term (million-year time scale) sea level variations, (2) Ice Age (millennial scale) sea level variations, and (3) Contemporary (decadal time scale) sea level variations. The course will end with a consideration of projections for future changes in global sea level in the Anthropocene.



*Sea level rises of eight inches have already worsened flooding effects from storms such as Hurricane Sandy.
Photograph: John G Wilbanks/Alamy*