

OEST 101: Natural Hazards

Science of natural hazards: impact on human civilization of events in the lithosphere, atmosphere, biosphere, and hydrosphere (e.g., earthquakes, hurricanes, red tides, and floods), and impact of humans on their exposure to and mitigation of the hazards. This course is transdisciplinary in nature and will use real data to teach foundational principles in geological (earthquakes), oceanographic (tsunamis), and atmospheric science (hurricanes) and more importantly the close connections between these science disciplines. We will examine how people become vulnerable to natural hazards, how society is affected by them, how people contribute to causing them, and how societies cope-or fail to cope-with them.

Credits: 3