New Fall 2014 Course Announcement – Submarine Volcanoes – GG 607  
(previously offered as GG 711)  
CRN 79269. Tu-Th 9:00-10:15 AM, Instructor: Ken Rubin

- Seminar course exploring submarine effusive and explosive volcanism, hydrothermal activity, and volcano-hosted ecosystems in Hawaii and around the world.
- Come learn about Earth’s most active and least studied volcanic province. Advanced undergraduate and all graduate students are welcome.
- Volcanic eruptions in the ocean are remote and difficult to observe, yet they dramatically alter the submarine landscape, hydrothermally fueled ecosystems and oceans.

Course topics:
- eruption detection and verification
- determining eruption chronologies
- eruption deposit geology and volcanology
- lava petrology
- thermo-chemical response of hydrothermal systems
- ecological responses on the sea floor
- water column effects
- lots of specific eruption examples

- Emphasis on current literature and instructor experiences participating in 10 submarine eruption studies over the past 2 decades. Expert guest lecturers from within SOEST.
- meet once weekly for a quasi lecture style introduction of a topic and once weekly for discussion of 1 or 2 papers.

scan the QR code above or contact Ken Rubin, krubin@hawaii.edu for additional information