

**SIO 102 Tentative Class Schedule
Winter 2018**

T	Jan 9	Formation and Abundance of the Elements; Isotopes and Radioactivity
Th	Jan 11	Radioactivity cont'd; Age of the Elements, the Universe and Earth
T	Jan 16	Principles of Planetary Geochemistry; Chemical Evolution of the Solid Earth Planets and Meteorites
Th	Jan 18	The "Geochemical Periodic Table"
T	Jan 23	Chemical Evolution of the Earth's Core and Mantle
Th	Jan 25	Chemical Evolution of the Crust; subduction Zone Processes
T	Jan 30	The Origin and Evolution of the Ocean
Th	Feb 1	Ocean Chemistry and Processes
T	Feb 6	Hydrothermal Processes and Their Geochemical Significance
Th	Feb 8	Marine Sediments, Sources and Significance of Each
T	Feb 13	Mid-term Exam
Th	Feb 15	Principles of Light Stable Isotope Fractionation
T	Feb 20	The Light Stable Isotopes O and H and the Hydrologic Cycle
Th	Feb 22	Carbon Isotopes; The Global Carbon Cycles
T	Feb 27	Chemical Paleoceanography – Fluid Inclusions and the K-Pg Boundary
Th	Mar 1	Chemical Paleoceanography – Sr isotopes, Weathering and Tectonics
T	Mar 6	Ice Core Records
Th	Mar 8	Atmospheric Chemistry and Evolution of Oxygen; The Ozone Problem
T	Mar 13	Hot Topics in Geochemistry
Th	Mar 15	Hot Topics in Geochemistry (cont'd)