

SIO 102 CLASS SCHEDULE
Winter, 2017

T	Jan. 10	Formation and Abundance of the Elements; Isotopes and Radioactivity
Th	Jan. 12	Radioactivity cont.; Age of the Elements, the Universe and Earth
T	Jan. 17	Principles of Planetary Geochemistry: Chemical Evolution of the Solid Earth and Planets, and Meteorites
Th	Jan. 19	The “Geochemical periodic Table”
T	Jan. 24	Chemical Evolution of the Earth’s Core and Mantle
Th	Jan. 26	Chemical Evolution of the Crust and Subduction Zone Processes
T	Jan. 31	The Origin and Evolution of the Ocean
Th	Feb. 2	Ocean Chemistry and Processes
T	Feb. 7	Hydrothermal Processes and their Geochemical Significance
Th	Feb. 9	Marine Sediments, Sources and Significance of Each
T	Feb. 14	MID-QUARTER EXAMINATION
Th	Feb. 16	Principles of Light Stable Isotope Fractionation
T	Feb. 21	The Light Stable Isotopes O and H and the Hydrologic Cycle
Th	Feb. 23	The Global Carbon Cycles; Carbon Isotopes
T	Feb. 28	Chemical Paleoceanography _ Fluid Inclusions and the K/Pg Boundary
Th	Mar. 2	Chemical Paleoceanography – Sr Isotopes, Weathering and Tectonics
T	Mar. 7	Ice Core Records
Th	Mar. 9	Atmospheric Chemistry and Evolution of Oxygen; The Ozone Problem
T	Mar. 14	Guest Lecture on Some “Hot” Topic in Geochemistry
Th	Mar. 16	Summary and Review