

Monday	Wednesday	Friday
2/8 Introduction, Origin of Elements LAB: Intro to Minerals (<i>Text ch 3</i>)	2/10 Atoms and Elements (<i>Text ch 1</i>)	2/12 Bonding, Mineral formulae (<i>Text ch 1</i>)
2/15 Crystallization Features (<i>Text ch 2</i>) LAB: Intro to Microscope	2/17 Classification (<i>Text ch 2</i>) QUIZ: Native Elements/Sulfides	2/19 Optics, isotropic, anisotropic minerals (<i>Text ch 4; Nesse ch 2,4,5</i>)
2/22 Birefringence, Interference colors LAB: Uniaxial Minerals	2/24 Uniaxial Minerals (<i>Nesse ch 6</i>) QUIZ: Oxide/Hydroxide/Halide	2/26 Winter Carnival Recess
3/1 Biaxial Minerals (<i>Nesse ch 7</i>) LAB: Biaxial Minerals	3/3 Biaxial Minerals	3/5 Review silicate structures QUIZ: Carbonate/Sulfate/Phosphate
3/8 Igneous Processes (<i>Text ch 5</i>) LAB: Tectosilicates	3/10 Phase Diagrams	3/12 Quartz/Feldspars in Igneous Rocks
3/15 Feldspars in Igneous Rocks LAB: Ino/Cyclo- Silicates	3/17 MID-TERM EXAM	3/19 Pyroxene in Igneous Rocks
3/22 Spring Recess	3/24	3/26
3/29 Amphibole in Igneous Rocks LAB: Ino/Cyclo- Silicates (cont'd)	3/31 Olivine/mica in Igneous Rocks	4/2 Mica/ classification of igneous rocks
4/5 Metamorphism (<i>Text ch 7</i>) LAB: Neso/Soro/Phyllo Silicates	4/7 Thermodynamics of reactions	4/9 Metamorphic minerals and rock QUIZ: Tectosilicates
4/12 Sedimentary Minerals (<i>Text ch 6</i>) LAB: SEM work	4/14 Economic minerals, <i>Text ch 8</i>	4/16 Crystallography (<i>Text ch 9, 10</i>) QUIZ: Ino/Cyclo silicates
4/19 Crystal Symmetry and Morphology LAB: Crystal systems, symmetry	4/21 Crystallography	4/23 Unit Cells (<i>Text ch 11</i>) QUIZ: Neso/Soro/Phyllo Silicates
4/26 Principles x-ray diffraction (<i>Text ch 11</i>) LAB: Review	4/28 Atomic structure, coordination number (<i>Text ch 13</i>)	4/30 Crystal Chemistry
5/3 Structures of Silicates LAB EXAM	5/5 Review	5/7 Course Summary
5/10	5/12	5/13 FINAL EXAM Thursday May 13, 9 - 12am