



GEL 4050 - Igneous & Metamorphic Petrology

Spring 2017 Classes

Calendar: (Tentative Lecture Schedule & Firm Assessment / Due Dates)

Date	Tentative Lectures & Firm Dates
Wednesday, January 18, 2017 Tuesday, January 17, 2017	MW Classes: Course Begin. Course Intro! Course Overview! TR Classes: Course Begin. Course Intro! Course Overview!
Wednesday, January 25, 2017 Thursday, January 26, 2017	MW classes: MINERAL ID PRECURSOR EXAMS - Handsample & Optical TR classes: MINERAL ID PRECURSOR EXAMS - Handsample & Optical
Friday, January 20, 2017 through Wednesday, February 1, 2017	Igneous Rock Mineral ID & Classification Igneous Rocks: Their Structures and Textures NO LABS!!!
Thursday, February 2, 2017 through Friday, February 17, 2017	Chemistry, Mineralogy, and Classification of Igneous Rocks The Phase Rule and Phase Diagrams Petrogenesis, Movement, and Modification of Magmas LAB - THINSECTIONS - GEOCHEM PREP
Saturday, February 18, 2017	FIELD TRIP! We will meet at 8:30am at the Fort Collins/Harmony Rd Park-n-Ride, located at the Northwest corner off I-25 at exit 265 which is Harmony Road/CO 68.
Monday, February 20, 2017 through Friday, March 3, 2017	Volcanics: Normative Calculation and Classification Basalts and Ultramafic Volcanic Rocks Rhyolites and Pyroclastic Rocks Andesites and Related Rocks LAB - THINSECTIONS - GEOCHEM PREP
Monday, March 6, 2017 through Friday, March 17, 2017	Ultramafic-Mafic Complexes and Related Rocks Granites, Grandiorites, and Related Rocks Alkaline Igneous Rocks and Carbonatites LAB - THINSECTIONS - XRF
Monday, March 13, 2017 Tuesday, March 14, 2017	MW Classes: IGNEOUS MODULE EXAM TR Classes: IGNEOUS MODULE EXAM
Sunday, March 19, 2017 through Saturday, March 25, 2017	SPRING BREAK!
Monday, March 27, 2017 through Friday, April 14, 2017	Metamorphism and Metamorphic Rock Textures and Structures Metamorphic Conditions, Classifications, Mineralogies, Protoliths, Facies, and Facies Series Metamorphic Phase Diagrams LAB - THINSECTIONS - XRF
Friday, April 14, 2017	DEADLINE: GEOLOGY PROJECT 1st SUBMITTAL ("A" Grade, see Assignment for Details)
Monday, April 17, 2017 through Friday, April 21, 2017	Contact Metamorphism Regional Metamorphism Under Low to Medium P/T Conditions: Buchan and Barrovian Facies Series LAB - THINSECTIONS - XRF
Monday, April 24, 2017	DEADLINE: GEOLOGY PROJECT 2nd SUBMITTAL ("B" Grade, see Assignment for Details)
Monday, April 24, 2017 through Friday, April 28, 2017	Eclogites and Ultrahigh-Pressure Metamorphosis LAB - THINSECTIONS - XRF
Monday, May 1, 2017 through Friday, May 5, 2017	Alpine Ultramafic Rocks and the Mantle NO LABS!!!
Friday, May 5, 2017	DEADLINE: GEOLOGY PROJECT 3rd & FINAL SUBMITTAL ("C - F" Grades, see Assignment for Details)! Deadline: ALL REMAINING WORK DUE BY 12:00 MIDNIGHT
Monday, May 8, 2017 through Thursday, May 11, 2017	Final Exam Week!!! ABSOLUTELY NOTHING ACCEPTED, don't even try! METAMORPHIC MODULE EXAM!