



Faculty of Earth Sciences



Department of Mineral Resources & Rocks 3rd & 4th Years Program



The Geological Society
Accredited degree courses

INDUSTRIAL MINERALS AND ROCKS

Course Name	Course ID	Prerequisite
Industrial Minerals and Rocks	EMR 432	EMR 231

Time Table for Course Lectures

Industrial Minerals and Rocks (EMR 432)

Week	Lecture Topic
1	Introduction to the course Definitions & Classifications
2	Igneous Minerals: iron ores Igneous Minerals: feldspars & micas
3	Gem Igneous Minerals: topaz, peridot & corundum Vein & Replacement Minerals: fluorite
4	Vein & Replacement Minerals: barite Vein & Replacement Minerals: magnesite
5	Metamorphic Minerals: graphite Metamorphic Minerals: asbestos & talc
6	Metamorphic Minerals: garnet & emery Metamorphic Minerals: wollastonite & kyanite- Project Due Presentations
7	Sedimentary Minerals: sulfur, gypsum & diatomite Midterm Exam
8	Dimensional Igneous Rocks: granites Igneous Rocks: basalt
9	Igneous Rocks: pumice & pozzolan Igneous Rocks: perlite
10	Metamorphic Rocks: slate

	Metamorphic Rocks: marble
11	Sedimentary Rocks: sands & gravels Sedimentary Rocks: sandstones
12	Sedimentary Rocks: mudstones Group Project Presentations-Project - Final Design Presentations
13	Sedimentary Rocks: limestone & dolostone Sedimentary Rocks: phosphates
14	Sedimentary Rocks: gypsum & anhydrite Sedimentary Rocks: rock salt
15	General Revisions
	Final Exam all sections