



Earth and Environmental Sciences Institute
Applied Geology and Environmental Sciences Department
Course Syllabus

Course Title: Industrial Rocks & Minerals	Instructor: Dr. Islam Aldabsheh
Course Number: 0801309	Prerequisite: 0801204
Term: First Semester 2018/2019	Credit Hours: 3 h (2 lectures)
Class Meeting Days: Su & Tu	Class Meeting Hours: 12:30-2 2 ر.ع
Office: Building 2, First floor	Email: i_aldabsheh@aabu.edu.jo
Office Hours: 9:30-11 Su & Tu	imahmoud_81@yahoo.com

Course Aims and Objectives:

Industrial Rocks & Minerals course introduces the students to the difference between ore deposits and industrial rocks & minerals, characteristics of the industrial minerals sector, and markets and uses of industrial materials. In addition, it provides the students with the presence of industrial rocks & minerals in Jordan

Course Outlines:

Part 1: Overview of the Industrial Minerals

- Characteristics of the Industrial Minerals Sector
- Classification of Industrial Minerals and Rocks
- World Distribution of Industrial Minerals Deposits
- International Trade in Industrial Minerals

Part 2: Markets and Uses

- Absorbents and Desiccants
- Construction uses
- Cosmetics
- Electronic and Optical Materials
- Environmental uses
- Fertilizers
- Refractories
- Nanomaterials
- Well Drilling Materials

Part 3: Industrial Rocks & Minerals in Jordan

Text Books:

- The recommended textbook for this course is **Industrial Minerals & Rocks: Commodities, Markets, and Uses (7th) Edition** (2006): edited by Jessica Elzea Kogel. Published by Society for Mining, Metallurgy, and Exploration, Colorado.
- **Geology of Jordan** (in Arabic), Abdelqader Abed

Grading Policy:

Determination of the final grade for this course will be based upon the following:

First exam 20%

Second exam 20%

Final 50%

Quizzes, Activities and Attendance 10%

Exams and Due Dates:

First Exam: on Tuesday 23/10/2018, Time: 1-2

Second Exam: on Tuesday 4/12/2018, Time: 1-2