The Hashemite University
Faculty of Natural Resources and Environment
Department of Earth and Environmental Sciences

Economic Geology (111201491)

Course Syllabus

3 Credit hours. Introduction To Ore Deposits, The Ore Forming Processes, Ores Exploration And Evaluation.

Textbooks

1. Introduction to Ore Forming Processes by Laurence Robb, (Wiley-Blackwell, 2004)
2. Introduction to Mineral Exploration by Charles J. Moon, Michael K.G. Whateley & Anthony M. Evans, Second Edition

Instructor

Instructor: **Dr. Faten Al-Slaty** E-mail: fatenm@hu.edu.jo Office: Room #203

Prerequisites

Prerequisites by topic : Igneous, sedimentary, and metamorphic rocks
Prerequisites by course : 111201230 – Igneous and Metamorphic Rocks

Topics Covered

Week	Topics	Parts in Texts
1	Introduction To Economic Geology And Terminology.	Review-Text 1
2-4	Magmatic Ore-Forming Processes	Part1-Text
14-6	Hydrothermal Ore-Forming Processes	Part2-Text 1
7-8	Surficial Ore-Forming Processes	Part3-Text 1
9-11	Sedimentary Ore-Forming Processes	Part3-Text 1
11-12	Metamorphic Ore Forming Processes	
12-13	Ore Deposits In A Global Tectonic Context, Patterns In The Distribution Of Mineral Deposits	Part4-Text 1
13-15	Mineral Exploration processes	Chapter 10-Text 2
15-16	Resource Evaluation	Chapter 11-Text 2

Evaluation

Assessment Tool	Expected Due Date	Weight
First and Second Exams	According to the University calendar	40 %
Activities		10 %
Final Exam	According to the University final examination schedule	50 %