

## SUBJECT TEACHING GUIDE

G632 - Mineral Deposits

Degree in Mining Resources Engineering

Academic year 2019-2020

1. IDENTIFYING DATA					
Degree	Degree in Mining Resources Engineering			Type and Year	Compulsory. Year 4
Faculty					
Discipline	Subject Area: Technology of Mining Prospection Module: Training in Exploitation of Mines				
Course unit title and code	G632 - Mineral Deposits				
Number of ECTS credits allocated	6	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. CIENCIAS DE LA TIERRA Y FISICA DE LA MATERIA CONDENSADA				
Name of lecturer	GEMA FERNANDEZ MAROTO				
E-mail	gema.fernandez@unican.es				
Office	E.P. de Ingeniería de Minas y Energía. Planta: + 0. DESPACHO SUBDIRECTOR (060)				
Other lecturers					

### 3.1 LEARNING OUTCOMES

- Students will get to know the genetic models of ore deposits, as well as evaluation methods and research techniques.

### 4. OBJECTIVES

Students will be able to solve problems related to the study, exploration and evaluation of ore deposits, as well as learn about the main problems related to the impact of mining operations.

## 6. COURSE ORGANIZATION

CONTENTS	
1	General concepts of mining geology
2	Ore deposits genesis
3	Evaluation and prospecting of ore deposits
4	Environmental impact of the exploitation of mineral resources.

## 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Final report of the practices developed in each block	Work	No	No	20,00
Work group on mineral deposits and oral presentation	Work	No	No	20,00
Written final exam, theoretical and practical	Written exam	Yes	Yes	60,00
TOTAL				100,00
Observations				
In September the note obtained during the course remains in the continuous assessment (40% of the grade of the subject) and examination constitutes 60%				
Observations for part-time students				
The part-time student assessment will be made following standards in this respect has the University.				

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC
VAZQUEZ, F. (2012). MANUAL DE YACIMIENTOS MINERALES. ED. UD PROFYECTOS. MADRID.
MOON, C.J. ET AL (2006). INTRODUCTION TO MINERAL EXPLORATION. ED. BLACKWELL.
ORCHE, E.(1999). MANUAL DE EVALUACIÓN DE YACIMIENTOS MINERALES. ED. CARLOS LÓPEZ JIMENO.MADRID.
FERNÁNDEZ MAROTO, G. (2010). YACIMIENTOS MINERALES. ED. TGD.
TAYLOR, R.G.(2009). ORE TEXTURES: RECOGNITION AND INTERPRETATION. ED. SPRINGER.BERLIN
ROBB, L.J. (2005). INTRODUCTION TO ORE-FORMING PROCESSES. ED. MALDEN, MA . BLACKWELL PUB
ANNELS, A. E. (1991).MINERAL DEPOSIT EVALUATION : A PRACTICAL APPROACH LONDON. ED. CHAPMAN AND HALL
TAYLOR, R.G. (2009). ORE TEXTURES: RECOGNITION AND INTERPRETATION. ED. SPRINGER. BERLIN.