

## SUBJECT TEACHING GUIDE

### 353 - Management Methods In Information

### Master's Degree in Mathematics and Computing

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Master's Degree in Mathematics and Computing			Type and Year	Compulsory. Year 1
Faculty	Faculty of Sciences				
Discipline					
Course unit title and code	353 - Management Methods In Information				
Number of ECTS credits allocated	3	Term	Semester based (1)		
Web	<a href="https://personales.unican.es/crespoj/informacion/index.html">https://personales.unican.es/crespoj/informacion/index.html</a>				
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. MATEMATICA APLICADA Y CIENCIAS DE LA COMPUTACION				
Name of lecturer	JOSE LUIS CRESPO FIDALGO				
E-mail	luis.crespo@unican.es				
Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 4. DESPACHO JOSE LUIS CRESPO FIDALGO (S4042)				
Other lecturers					

3.1 LEARNING OUTCOMES
- Put information and data aggregation and processing into context
- Set up information management policies for a project
- Understanding of main file format standards
- Basic database management and usage

#### 4. OBJECTIVES

Foresee ethical implications related to information management
Efficient database design
Primer on the value of information: statistics, visualization and machine learning

#### 6. COURSE ORGANIZATION

CONTENTS	
1	Information management landscape
2	Data management plan
3	Main file format standards
4	Databases
5	Data usage and processing

#### 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Homework and/or in-class presentations	Others	No	Yes	60,00
Application case	Work	Yes	Yes	40,00
TOTAL				100,00
Observations				
<p>The way to make up for low in-class grades is to expand the application case as instructed by the teacher.</p> <p>The way to make up for a low application case grade is to improve it by fulfilling teacher indications.</p> <p>Top grades (equivalent of honor, first-class, or A+) will be available to students by presentation order. Since probably only one such grade will be possible in this course, following students may be unable to get it, independently of their numeric grade.</p> <p>Should any prevailing requirements forbid face-to-face evaluation, number, weights, conditions and exercise types would vary.</p>				
Observations for part-time students				
<p>Students that are unable to attend classes or to prepare presentations, can compensate by expanding the application case as instructed by the teacher. They should apply for this beforehand.</p>				

#### 8. BIBLIOGRAPHY AND TEACHING MATERIALS

##### BASIC

Se proporcionarán referencias particulares a los alumnos según vayamos avanzando en el curso