SUBJECT TEACHING GUIDE

895 - Knowledge Management

Master's Degree in Business and Information Technologies

Academic year 2023-2024

1. IDENTIFYING DATA				
Degree	Master's Degree in Business and Information Technologies		Type and Year	Optional. Year 1
Faculty	Faculty of Economics and Business Studies			
Discipline	Professional Orientation Subjects			
Course unit title and code	895 - Knowledge Management			
Number of ECTS credits allocated	2,5	Term	Semester based (2)	
Web	http://moodle.unican.es			
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS
Name of lecturer	PEDRO SOLANA GONZALEZ
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Other lecturers	ADOLFO FERNANDEZ FERNANDEZ ELIANA ROCIO ROCHA BLANCO

3.1 LEARNING OUTCOMES
- Be able to identify and analyze the problems of knowledge management in the enterprises and make value contributions for their solution.
- Ability to develop knowledge management strategies linked to organizational goals.
- Ability to apply models, techniques and software tools for knowledge management in organizations.

4. OBJECTIVES

To know the fundamentals of knowledge management to create, communicate, share and use knowledge in organizations.
To acquire knowledge about knowledge management models and organizational learning , and develop the skills for their design and implementation in companies.
To know the current software tools and applications for knowledge management in companies.
To understand data mining techniques and tools for knowledge generation in enterprises.

6. COURSE ORGANIZATION

	CONTENTS
1	Unit 1. Introduction to KM and data science.
2	Unit 2. KM models and learning.
3	Unit 3. Knowledge generation with data mining techniques.
4	Work and activities.
5	Tutorial sessions.
6	Exam.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Exam	Written exam	Yes	Yes	25,00
Work	Work	No	Yes	25,00
Tasks and activities	Work	No	Yes	50,00
TOTAL				100,00
Observations				
Examination and evaluation activities may be carried out remotely if health conditions require it.				
Observations for part-time students				
Part-time students will take a test and do an individual work.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC
MATERIALES DOCENTES A DISPOSICIÓN DE LOS ESTUDIANTES EN EL AULA VIRTUAL DE LA ASIGNATURA.
SOLANA, P.; PÉREZ, D. & CASTRO, M. (2013). Organizational Learning Program Based on Experience for Industrial Companies: an Empirical Model. Journal of Knowledge and Data Engeenering, Vol. 1, No. 1, pp. 8-26.
SOLANA, P. y PÉREZ, D. (2008). Estrategia Empresarial y Tecnologías de la Información en la Gestión del Conocimiento Técnico-Documental. Estudio del Caso Nuclenor. El Profesional de la Información, Vol. 17, No. 5, pp. 487-501.
LEONDES, C.T. (2005). Intelligent Knowledge Based Systems. V5. Norwell (Massachusetts) Kluwer, cop.
STEWART, T. (2001). The Wealth of Knowledge: Intellectual Capital and the Twenty-First Century Organisation. New York, Currency.
NONAKA, I. & TAKEUCHI, H. (1995). The Knowledge-Creating Company. Oxford University Press. New York.