Universidad Zaragoza

27456 - E-Government and Public Decisions

<u>**Información del Plan Docente**</u>

Academic Year	2017/18
Faculty / School	109 - Facultad de Economía y Empresa
Degree	417 - Degree in Economics
ECTS	3.0
Year	4
Semester	Second semester
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

5.2.Learning tasks

5.3.Syllabus

Chapter 1: Foundations of decision making

- 1.1 Presentation (objectives, programme and assessment)

- 1.2 Decision making problems, Processes and models.

- 1.3 Basic concepts. Structured and non-structured techniques.

Chapter 2: Uni-criterion models and techniques

- 2.1 Mathematical programming models.

- 2.2 Linear optimisation.

- 2.3 Software y applications.

Chapter 3: Statistical analysis of decisions

- 3.1 Introduction. Deterministic and stochastic criteria.

- 3.2 Sample information.

- 3.3 Software and applications.

Chapter 4: Multicriteria decision making. Multi-objective programming

- 4.1 Continuous Multicriteria decision making. Pareto optimal solutions.

- 4.2 Compromise programming and goal programming.

- 4.3 Software and applications.

Chapter 5: Multicriteria decision making. Multi-attribute programming

- 5.1 Continuous multicriteria decision Making. MAUT and outranking methods

- 5.2 Analytic hierarchy process (AHP) and analytic network process (ANP).

- 5.3 Software and applications.

Chapter 6: Public decision making. Social choice

- 6.1 Conceptual framework. Formulation, legitimacy and assessment

- 6.2 Voting systems.

- 6.3 Software and applications.

Chapter 7: Electronic government. E-Administration

- 7.1 Basic concepts. ICT and public administration.

- 7.2 Public administration in the knowledge society.

- 7.3 Transparency, Participation and control.

Chapter 8: Electronic government. E-Governance

- 8.1 Democracy models

- 8.2 From e-democracy to e-cognocracy.

- 8.3 Design and evaluation of public policies.

5.4.Course planning and calendar

5.5.Bibliography and recommended resources