# uc3m Universidad Carlos III de Madrid

## Analysis and Decision Making

Academic Year: (2019 / 2020) Review date: 28-04-2020

Department assigned to the subject: Transversal matters Coordinating teacher: TINEO ALVAREZ, ANGELES

Type: Basic Core ECTS Credits: 3.0

Year: 3 Semester:

Branch of knowledge: Social Sciences and Law

#### **OBJECTIVES**

- Identify problems and making diagnosis in complex situations.
- Master the stages and tools for decision making.
- Evaluate diverse alternatives for the same problem.
- Communicate problems and decisions.

### **DESCRIPTION OF CONTENTS: PROGRAMME**

- 1. The importance of analysis and decision making.
- 2. Decision making and responsible leadership.
- Previous diagnosis.
- Problems identification and description.
- The communication of problems.
- 4. Planification in decision making.
- Setting goals.
- Generation and evaluation of alternatives.
- 5. Individual and group decision making.
- Methods for individual and group decision making.
- 6. Toolkit for decision making:
- Decision trees.
- Influence diagrams.
- Monte Carlo methods.
- Other systems and models.
- 7. Implementation and feedback stages.
- 8. The communication of decisions.

#### LEARNING ACTIVITIES AND METHODOLOGY

- 1. Exposition of different topics related to the program content.
- Analyses of practical cases.
- Role-playing.
- 4. Creation and presentation of practical exercises.

## ASSESSMENT SYSTEM

Official examination and final exam: 0 points.

Continuous evaluation: 10 points according to student's participation in classroom activities, exercises and activities.

Weighting factor of final exam: 0

Weighting factor of continuous evaluation: 7

% end-of-term-examination: 0

% of continuous assessment (assignments, laboratory, practicals...): 100