uc3m Universidad Carlos III de Madrid

Advanced Topics in Supply Chain and Operations Management

Academic Year: (2018 / 2019) Review date: 08-05-2018

Department assigned to the subject: Business Administration Department

Coordinating teacher: MONTES SANCHO, MARIA JOSE

Type: Electives ECTS Credits: 5.0

Year: 2 Semester: 2

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

SUPPLY CHAIN MANAGEMENT

OBJECTIVES

A student who has followed esta subject should be able to:

- To integrate and develop theoretical and empirical advanced concepts in Operations & Supply Chain domains.
- Identify and understand the new research trends of the Operations Management and Supply Chain Management fields.
- Know and understand the new applied research techniques in Operations Management and Supply Chain Management fields.
- Identify niches non-fully studied in the OM and SCM literature and to build theoretical frameworks by combinging different theoretical perspectives.
- Critically evaluate papes in selected topics in OM & SCM

DESCRIPTION OF CONTENTS: PROGRAMME

This course will focus on the critical evaluation of the content and methodological debates in the new mission operations management and supply chain which affects four lines of research:

- o The digital economy : Internet of Things , Big Data and Smart Cities.
- o The corporate social responsibility
- o Circular economy
- o Collaborative Economy

LEARNING ACTIVITIES AND METHODOLOGY

After this course you should be able to:

- 1. Gain a advance understanding of the concepts related to supply chain management
- 2. Diagnose real-world problems in the field of supply chain management and operations as well as to identify which strategies can be employed.

ASSESSMENT SYSTEM

Exam (30%); Participation (30%); Assignments (40%);

% end-of-term-examination: 30 % of continuous assessment (assignments, laboratory, practicals...): 70

BASIC BIBLIOGRAPHY

- " CONTENTS TO BE DETERMINED BY THE INSTRUCTOR AT THE BEGINNING OF THE COURSE BASED ON THE MOST CURRENT TOPICS OF INTEREST IN THE FIELD, ", .