

Información del Plan Docente

Academic Year	2016/17
Academic center	201 - Escuela Politécnica Superior
Degree	437 - Degree in Rural and Agri-Food Engineering
ECTS	6.0
Course	2
Period	First semester
Subject Type	Basic Education
Module	---

1.Basic info**1.1.Recommendations to take this course****1.2.Activities and key dates for the course****2.Initiation****2.1.Learning outcomes that define the subject****2.2.Introduction****3.Context and competences****3.1.Goals****3.2.Context and meaning of the subject in the degree****3.3.Competences****3.4.Importance of learning outcomes****4.Evaluation****5.Activities and resources****5.1.General methodological presentation**

Theory classes are expository. It will be developed according to the theoretical program.

In the classes of problems the methodology is fully participatory. For its realization is helpful consultation recommended both basic and additional bibliography.

Classes in group work practices for which implementation problems are solved is enhanced.
The autonomous and individual work is essential for the student.

5.2.Learning activities

Theoretical and practical sessions solving problems in the classroom.

At the beginning of the semester, it provides the student teaching material for proper development of the classes.

5.3.Program

Exploratory data analysis.

Calculation of probabilities.

Models of discrete and continuous distribution.

Sampling and estimation.

Confidence intervals.

Hypothesis testing.

Variance analysis.

5.4. Planning and scheduling

Schedule sessions and presentation of works

TOTAL	10	150													

Recommendations:

There will be reprographic material

5.5.Bibliography and recommended resources

Basic bibliography:

- Mendenhall, William. Probabilidad y estadística : para ingeniería y ciencias / William Mendenhall, Terry Sincich ; traducción Roberto Escalona ; revisión técnica Marcial Gil Rico Rico . - [1^a ed. en español] México [etc.] : Prentice Hall Hispanoamericana, cop. 1997
- Johnson, Richard Arnold. Probabilidad y estadística para ingenieros de Miller y Freund / Richard A. Johnson ; traducción, José de la Cera Alonso ; revisión técnica, Juan Antonio Torre Marina . - [3a. ed. en español] México [etc.] : Prentice-Hall Hispanoamericana, cop. 1997
- Walpole, Ronald E.. Probabilidad y estadística / Ronald E. Walpole, Raymond H. Myers . - 3a. ed. en español México, D. F. : McGraw-Hill/Interamericana, cop. 1992 (imp. 1999)
- Peña Sánchez de Rivera, Daniel. Estadística : modelos y métodos. vol.1, Fundamentos / Daniel Peña Sánchez de Rivera . - 1a. ed., 2a. reimp. Madrid : Alianza, 1988
- Peña Sánchez de Rivera, Daniel. Estadística : modelos y métodos. Vol. 2, Modelos lineales y series temporales / Daniel Peña Sánchez de Rivera . - 2a. ed. Madrid : Alianza, 1989