

Información del Plan Docente

Academic Year	2017/18
Faculty / School	201 - Escuela Politécnica Superior
Degree	437 - Degree in Rural and Agri-Food Engineering
ECTS	6.0
Year	2
Semester	First semester
Subject Type	Basic Education
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**

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 tasks

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.Syllabus

Exploratory data analysis.

Calculation of probabilities.

Models of discrete and continuous distribution.

Sampling and estimation.

Sampling and Estimation
Confidence intervals.

Hypothesis testing.

Hypothesis testing Variance analysis.

5.4.Course planning and calendar

Schedule planning and calendar
Schedule sessions and presentation of works

TOTAL	10	10	10	10	10	10	10	10	10	10	10	10	10	10	150

Recommendations:

There will reprographic material

5.5.Bibliography and recommended resources

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|-----------|---|
| BB | 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 |
| BB | Mendenhall, William. Probabilidad y estadística : para ingeniería y ciencias / William Mendenhall, Terry Sincich ; traducción Roberto Escalona ; revisión técnica Marcial Gil Rico Rico . - [1ª ed. en español] México [etc.] : Prentice Hall Hispanoamericana, cop. 1997 |
| BB | 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 |
| BB | Peña Sánchez de Rivera, Daniel. Estadística : modelos y métodos. vol.1, Fundamentos / Daniel Peña Sánchez de Rivera . - 1a. ed., 2a. reimpr. Madrid : Alianza, 1988 |
| BB | 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) |

The updated recommended bibliography can be consulted in:

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=8071>