

30001 - Mathematics II

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	436 - Bachelor's Degree in Industrial Engineering Technology
ECTS	6.0
Course	1
Period	Half-yearly
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

The learning process that is designed for this subject is based on the following:

- Continued study and work from the first day of class.
- Transmission of content through the master class, encouraging the participation of students.
- Implementation of such content to problem solving in small groups. Oral presentation of such problems.
- Practical classes. The computer as a tool for better assimilation of certain terms. Resolution of practical work, also in small groups.
- Personal attention.

5.2.Learning activities**5.3.Program**

The planned contents are:

- Matrices
- Systems of linear equations
- Vector spaces
- Linear applications
- Matrix diagonalization
- Quadratic forms
- Inner product spaces
- Differential geometry of curves

5.4.Planning and scheduling**5.5.Bibliography and recommended resources**