

## PROGRAMME IN MATHEMATICS

Academic course: 2020-2021

Identification and characteristics of the subject													
Code	501120			Créditos ECTS	6								
Name (Spanish)	<b>Matemáticas I</b>												
Name (English)	Mathematics I												
Degree	FOOD SCIENCE AND TECHNOLOGY DEGREE												
Center	Agricultural Engineering School												
Semester	First (1º)	Type	Compulsory										
Module	Basic Formation												
Subject	Mathematics												
Language	Spanish / English												
Professor/s													
Name	Room	e-mail	Web link										
<b>Conchita Marín Porgueres</b>	D718 Building "Valle del Jerte"	cmp@unex.e											
Field of knowledge	Applied Mathematics												
Department	Mathematics												
Coordinator (if there is more than one professor)													
Lessons and contents													
Syllabus													
<b>Lesson 1: Number Sets</b> <b>Lesson 2: Limit and Continuity of Functions of one variable</b> <b>Lesson 3: Limit and Continuity of Functions of several variables</b> <b>Lesson 4: Differential Calculus of Functions of one variable</b> <b>Lesson 5: Differential Calculus of Functions of several variables</b> <b>Lesson 6: Integral Calculus of Functions of one variable</b> <b>Lesson 7: Differential Equation</b>													



Escuela de Ingenierías Agrarias

### **Practical syllabus**

**Practical lesson 1: Real functions of a single real variable. Differential calculus.**

**Practical lesson 2: Real functions of two variables. Differential calculus.**

**Practical lesson 3: Geometrical applications of integral calculus: areas of plane figures.**

**Practical lesson 4: Geometrical applications of integral calculus: volumes.**

**Practical lesson 5: Numerical integration.**

**Practical lesson 6: Solving differential equations.**