


	<b>PROCESO PARA EL DESARROLLO DE LAS ENSEÑANZAS DE LA ESCUELA DE INGENIERÍAS AGRARIAS</b>		
		<b>CÓDIGO: P/CL009_D002</b>	

## 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	ENGINEERING IN AGRICULTURAL AND FOOD INDUSTRIES				
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>					

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<b>Practical syllabus</b>
<b>Practical lesson 1: Real functions of a single real variable. Differential calculus.</b>
<b>Practical lesson 2: Real functions of two variables. Differential calculus.</b>
<b>Practical lesson 3: Geometrical applications of integral calculus: areas of plane figures.</b>
<b>Practical lesson 4: Geometrical applications of integral calculus: volumes.</b>
<b>Practical lesson 5: Numerical integration.</b>
<b>Practical lesson 6: Solving differential equations.</b>