


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

PROGRAMME IN MATHEMATICS

Academic course: 2019-2020

Identification and characteristics of the subject					
Code	501120			Créditos ECTS	6
Name (Spanish)	Matemáticas I				
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		
Conchita Marín Porgueres	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					
Lesson 1: Number Sets Lesson 2: Limit and Continuity of Functions of one variable Lesson 3: Limit and Continuity of Functions of several variables Lesson 4: Differential Calculus of Functions of one variable Lesson 5: Differential Calculus of Functions of several variables Lesson 6: Integral Calculus of Functions of one variable Lesson 7: Differential Equation					

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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.