

## SYLLABUS

### 1. COURSE DESCRIPTION

<b>Degree:</b>	<b>Biotechnology</b>
<b>Course:</b>	<b>Mathematical Analysis</b>
<b>Module:</b>	<b>Physics, Mathematics and Computing for the Molecular Biosciences</b>
<b>Department:</b>	<b>Economy, MMCC and Economic History</b>
<b>Academic Year:</b>	<b>2017-18</b>
<b>Term:</b>	<b>Second</b>
<b>ECTS credits:</b>	<b>6</b>
<b>Year:</b>	<b>1<sup>st</sup> year</b>
<b>Type:</b>	<b>Basic</b>
<b>Language:</b>	<b>Spanish</b>

<b>Course Model:</b>	<b>C1</b>	
<b>a. Basic learning (EB):</b>		<b>50 %</b>
<b>b. Practical learning (EPD):</b>		<b>50 %</b>



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### 2. LECTURERS

<b>Coordinator</b>	
<b>Name:</b>	<b>JUAN ANTONIO DÍAZ PONCE</b>
<b>School:</b>	<b>PABLO OLAVIDE UNIVERSITY</b>
<b>Department:</b>	<b>Economy, MMCC and Economic History</b>
<b>Area:</b>	<b>Statistics and Operations Research</b>
<b>Office Hours:</b>	<b>Mondays, Tuesdays and Thursdays: 15.00-16.00 h.</b>
<b>Office:</b>	<b>14.1.22</b>
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### 3. TOPICS

- 1-. Differential calculus.
- 2-. Optimization problems.
- 3-. Integral calculus.
- 4-. Differential equations.
- 5-. Numerical methods.
- 6- Computer applications.