

## 26917 - Mathematical Methods for Physics

### Información del Plan Docente

Academic Year	2017/18
Faculty / School	100 - Facultad de Ciencias
Degree	447 - Degree in Physics
ECTS	6.0
Year	2
Semester	Second semester
Subject Type	Compulsory
Module	---

### 1.General information

#### 1.1.Introduction

#### 1.2.Recommendations to take this course

#### 1.3.Context and importance of this course in the degree

#### 1.4.Activities and key dates

### 2.Learning goals

#### 2.1.Learning goals

#### 2.2.Importance of learning goals

### 3.Aims of the course and competences

#### 3.1.Aims of the course

#### 3.2.Competences

### 4.Assessment (1st and 2nd call)

#### 4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

### 5.Methodology, learning tasks, syllabus and resources

#### 5.1.Methodological overview

#### 5.2.Learning tasks

#### 5.3.Syllabus

#### 5.4.Course planning and calendar

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### 5.5. Bibliography and recommended resources

- BB Arfken, George. Mathematical methods for physicists / George Arfken . - 3rd ed. New York [etc] : Academic Press, cop.1985
- BB Canavos, George C.. Probabilidad y estadística : aplicaciones y métodos / George C. Canavos Mexico[etc.] : McGraw-Hill, 1990
- BB Churchill, Ruel V.. Teoría de funciones de variable compleja / Ruel V. Churchill ; traducido por Manfredo Monforte Soler ; revisión técnica por Jaime Moneva Moneva . - 2a.. ed. New York : McGraw-Hill Book Company, 1966
- BB Cohen, Harold. Mathematics for scientists and engineers / Harold Cohen . - [1st ed.] Englewood Cliffs [etc] : Prentice-Hall International, cop.1992
- BB Riley, Kenneth Franklin. Mathematical methods for physics and engineering / K. F. Riley, M. P. Hobson and S. J. Bence . 3rd ed., 6th reprint. Cambridge : Cambridge University Press, 2010
- BB Saff, Edward B.. Fundamentals of complex analysis engineering, science and mathematics / Edward B. Saff, Arthur David Snider . - 3rd ed., Pearson new international edition Harlow : Pearson, c2014