

**Información del Plan Docente**

<b>Academic Year</b>	2017/18
<b>Faculty / School</b>	100 - Facultad de Ciencias
<b>Degree</b>	447 - Degree in Physics
<b>ECTS</b>	5.0
<b>Year</b>	4
<b>Semester</b>	First semester
<b>Subject Type</b>	Optional
<b>Module</b>	---

**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**

### 5.5. Bibliography and recommended resources

- BB Bjorken, James D.. Relativistic quantum mechanics / James D. Bjorken, Sidney D. Drell . - [1st ed.] New York [etc.] : McGraw-Hill, cop. 1964
- BB Cohen-Tannoudji, Claude. Mécanique cuantique / Claude Cohen-Tannoudji, Bernard Diu , Franck Laloë . - [1ere ed.] Paris : Hermann, cop. 1973
- BB Cohen-Tannoudji, Claude. Quantum mechanics / Claude Cohen-Tannoudji, Bernard Diu, Franck Laloë ; translated from the French by Susan Reid Hemley, Nicolo Ostrowsky, Dan Ostrowsky New York [etc.] : John Wiley [etc.], cop. 1977
- BB Greiner, Walter. Relativistic quantum mechanics : wave equations / Walter Greiner; with a Foreword by D. A. Bromley . 3rd ed. Berlin [etc.] : Springer, cop. 2002
- BB Le Bellac, Michel. A short introduction to quantum information and quantum computation / Michel Le Bellac ; translated by Patricia de Forcrand-Millard Cambridge : Cambridge University Press, 2006
- BB Nielsen, Michael A.. Quantum computation and quantum information / Michael A. Nielsen & Isaac L. Chuang . - 1st ed.;repr. Cambridge [etc.] : Cambridge University Press, 2002