

**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>	6.0
<b>Year</b>	3
<b>Semester</b>	Second semester
<b>Subject Type</b>	Compulsory
<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 Amit, Daniel J.. Statistical physics : an introductory course / Daniel J. Amit, Yosef Verbin ; translated from the Hebrew by Rami Tzafiriri . - 1st ed. repr. Singapore [etc.] : World Scientific, 2006
- BB Balian, Roger. From microphysics to macrophysics : methods and applications of statistical Physics. Volume I / Roger Balian ; translated by D. ter Haar and J. F. Gregg . Berlin : Springer, 2007
- BB Callen, Herbert B.. Thermodynamics and an introduction to thermostatistics / Herbert B. Callen . - 2nd ed. New York : John Wiley and Sons, cop. 1985
- BB Éléments de physique statistique / Bernard Diu... [et al.] . Paris : Hermann, cop. 1989
- BB Garrod, Claude. Statistical mechanics and thermodynamics / Claude Garrod . - [1st ed.] New York [etc] : Oxford University Press, 1995
- BB Kardar, Mehran. Statistical physics of particles / Mehran Kardar . 1st ed., 8th print. Cambridge : Cambridge University Press, 2016
- BB Salinas, Silvio R. A.. Introduction to statistical physics / Silvio R. A. Salinas New York : Springer, cop. 2001
- BB W.T. Grandy, Jr. . Foundations of Statistical Mechanics, volume I: Equilibrium Theory. Reidel, 1987.