

Información del Plan Docente

Academic Year	2017/18
Faculty / School	100 - Facultad de Ciencias
Degree	447 - Degree in Physics
ECTS	5.0
Year	
Semester	Second semester
Subject Type	Optional
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**

5.5. Bibliography and recommended resources

- BB Beeby, S.. MEMS Mechanical Sensors. Artech House, 2004
- BB Brodie, Ivor. The physics of micronano-fabrication. 2nd. ed. Springer, 2010
- BB Kaajakari, Ville. Practical MEMS. Small Gear Pub., 2009
- BB Klein, Dan. CMOS IC Layout : concepts, methodologies, and tools. Newnes, 1999
- BB Lyshevski, S.E.. Nano- and microelectromechanical systems : fundamentals of nano- and microengineering.. 2nd. ed. CRC Press, 2005
- BB Pelesko, John A.. Modeling MEMS and NEMS / John A. Pelesko, David H. Bernstein Boca Raton : Chapman & Hall/CRC, cop. 2003
- BB Saint, Christopher; Saint, Judy. IC Layout Basics: A Practical Guide. McGraw-Hill, 2001
- BB Saint, Christopher; Saint, Judy. IC Mask Design: Essential Layout Techniques. McGraw-Hill, 2002
- BB Varadan, V. K.. RF MEMS and their Applications. Wiley-Blackwell, 2002