

## 26940 - Laser and Applications

### 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 Silfvast, William T.. Laser fundamentals / William T. Silfvast . - 2nd ed. Cambridge : Cambridge University Press, 2004
- BB Svelto, Orazio. Principles of lasers / Orazio Svelto ; translated from Italian and edited by David C. Hanna . - 4th ed. New York [etc] : Plenum Press, cop. 1998
- BC Henderson, A. Roy. Laser safety / Roy Henderson and Karl Shulmeister Bristol ; Philadelphia : Institute of Physics, cop. 2004
- BC Koechner, W.. Solid-State Laser Engineering. 6th ed. Springer, 2006
- BC Niemz, Markolf H.. Laser-Tissue interactions : fundamentals and applications / Markolf H. Niemz ; with a foreword by Martin van Gemert. . - 2nd. ed. rev. Berlín [etc.] : Springer, cop. 1996
- BC Siegman, Anthony E.. Lasers / Antony E. Siegman Sausalito, California : University Sciences Books, cop. 1986