



SC

PHYS2901 Physique des lasers

[22.5h+15h exercises] 4 credits

This course is taught in the 1st semester

**Teacher(s):** André Fayt  
**Language:** french  
**Level:** 2nd cycle course

### Aims

To bring the student to a complete understanding of lasers and giving him a global view of existing lasers and their actual applications.

### Main themes

1. The laser beam and laser optics
2. Line shape and width of transitions
3. The amplifying medium
4. Different types of lasers and their main applications

### Other credits in programs

**PHYS22/A** Deuxième licence en sciences physiques (Physique appliquée) (4 credits)