

Course Title	TIME RESOLVED PHOTOLUMINESCENCE
Instructor	Marco Cannas
N of hours	10
Description	Introduction to photoluminescence spectroscopy and application in material science
Contents	<ul style="list-style-type: none"><li>- Overview of luminescence phenomena: intrinsic and extrinsic properties of solids; size dependence effects in nanomaterials.</li><li>- Basic design of experimental setup: pulsed laser sources; time-resolved detectors</li><li>- Laboratory experiments: acquisition of time resolved photoluminescence spectra of model systems</li></ul>