LEARNING OBJECTIVES OF THE SUBJECT

NanoPhotonics is where optics and nanotechnology meet. NanoPhotonics plays an important role in current (and future) ultra-small and ultra-sensitive sensing, imaging, optical circuitry, data storage.
Both concepts and applications will be treated in details

CONTENTS

- Basics

- Fabrication of nanophotonic structures

- Optical addressing the nanoscale

- Plasmonics

- Single emitters
- NanoPhotonic wires

- Photonic Crystals

- Light propagation within disordered structures

- Nonlinear Nanophotonics

- Applications in biology, materials science, telecom and photonics

**GRADING SYSTEM**

Assistance - literature study - small specialized presentation - evaluation meeting with tutor

**EXAMINATION RULES.**

The usual in University teaching

**BIBLIOGRAPHY**

**Basic:**