

FDITE195 Optics 2

Description:

The aim of the course is to prepare students for the complex exam in optics. The topics included in the optics exam syllabus are covered in a two-semester course, of which this course covers the second half.

Topics:

- Dispersion
- Coherence
- Diffraction Gaussian beams
- Fraunhofer diffraction
- Fresnel diffraction
- Optical anizotropy
- Optical modulation

Recommended reading for the course:

[1] R. Guenter: Modern Optics, John Wiley and Sons, 1990.

[2] A. Nussbaumm, R.A. Phillips: Modern Optika, Műszaki Könyvkiadó, 1982.