

Level: Undergraduate Vocational Studies in Optometry				
Course title: Geometrical optics				
Status: obligatory				
ECTS: 6				
Requirements: none				
Learning objectives Introduction to the basic laws of ray optics.				
Learning outcomes The students should develop: General abilities: following the literature; search and using the Internet. Specific abilities: adopting the knowledge from ray optics and understanding the basic laws.				
Syllabus <i>Theoretical instruction</i> Basic definitions. Electromagnetic spectrum. Light propagation. Light reflection and refraction. Mirrors. Prism and Lenses. Optical instruments: microscope, telescope. <i>Practical instruction</i> Experimental: Microscope, Lenses and Spherical Mirrors. Measurement of refraction index.				
Weekly teaching load				Other:-
Lectures: 4	Exercises: 1	Other forms of teaching:2	Student research: -	