

<b>Level:</b> Undergraduate Vocational Studies in Optometry				
<b>Course title:</b> Binocular vision				
<b>Status:</b> obligatory				
<b>ECTS:</b> 6				
<b>Requirements:</b> Anatomy and physiology of the eye				
<b>Learning objectives</b> Enabling the students to comprehend development of normal binocular vision. Understanding the heterophoria and other abnormalities of binocular vision.				
<b>Learning outcomes</b> Students should develop: <ul style="list-style-type: none"> <li>- General skills: communication with patients;</li> <li>- Subject-specific skills: understanding of visual acuity and binocular vision development; understanding of effect of heterophoria on binocular vision; Correlation of patient's signs and symptoms with normal or abnormal binocular vision: Detection, diagnosis establishment and treatment of decompensated heterophoria; Effective detection of symptoms relevant for binocular anomalies; Development of observational skills; Clinical data record keeping; Demonstration of knowledge of normal and abnormal binocular vision; Correlation of clinical and basic knowledge on binocular vision; Examination, diagnosis and treatment of strabismus.</li> </ul>				
<b>Syllabus</b> <i>Theoretical instruction</i> Sensory and motor aspect of binocular vision. Accommodation and convergence. Binocular vision anomalies. Strabismus. Phoria measurements. Measurement of fusional vergence reserves. Gradient phoria and AC/A ratio. Test involving fixation disparity. Test of accommodative function. Binocular refraction. Strabismus analysis.  <i>Practical instruction:</i> Exercises, other forms of teaching, research studies. Laboratory experiments following lectures in theory.				
<b>Weekly teaching load</b>				Other:
Lectures: 4	Exercises:	Other forms of teaching: 3	Student research:	