





Distance learning (asynchronous)																				
Summer Semester																				
Direct (contact) education					9															
Online learning (synchronous)	10	3			8															
Online learning (asynchronous)																				
TOTAL per year:																				
Direct (contact) education					18															
Online learning (synchronous)	20	6			16															
Online learning (asynchronous)																				
Educational objectives (max. 6 items)																				
<p><b>C1.</b> Basic knowledge including anatomy, physiology, pathophysiology of orbital structures, eyeball, eye mussels and ocular adnexa.</p> <p><b>C2.</b> Assimilation of subjective and objective examination's techniques of the organ of vision.</p> <p><b>C3.</b> Learning about additional tests used in ophthalmology and neuroophthalmology – implication and interpretation.</p> <p><b>C4.</b> Assimilation of knowledge about eye diseases which lead to blindness and are complications of diabetes, systemic diseases and immune-mediated disorders or civilization's diseases like glaucoma.</p> <p><b>C5.</b> Learning about current surgical treatment or/ and laserotherapy in the most common pathologies of the optic system.</p> <p><b>C6.</b> Pharmacotherapy in ocular disease.</p>																				
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class																				
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to				Methods of verification of intended education results (forming and summarising)				Form of didactic class <i>**enter the abbreviation</i>										
K 01	F.K.11.1	Student has basic knowledge including anatomy, physiology, pathophysiology of orbital structures, eyeball, eye mussels and ocular adnexa				Oral response				SE, CC										
K 02	F.K.11.2	Student has the knowledge about eye diseases which lead to blindness and are complications of diabetes, systemic diseases				Oral response				L, SE, CC										



		and immune-mediated disorders or civilization's diseases like glaucoma.		
K 03	F.K.11.3	Student knows about current surgical treatment or/ and laserotherapy in the most common pathologies of the optic system (corneal leucoma, cataract, glaucoma, retinal detachment, proliferative vitreoretinopathies, tumors of the eye and ocular adnexa)	Oral response	L, SE, CC
K 04	F.K.11.4	Pharmacology in ocular disease	Oral response	SE, CC
S 01	FS 19	Student is able to exam and detect ophthalmic diseases and refraction disorders. Student knows therapeutic principals in treatment of ophthalmic diseases and refraction disorders.	practical response	SE, CC
S 02	FS 22	Student has practical skills in detection and removal the alien bodies from conjunctival sac (reversion of the upper and lower eyelid). Student knows first aid rules in burns and mechanical injuries of the eye and orbit	practical response	SE, CC

\*\* L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:

communication of knowledge, skills or forming attitudes:

Knowledge: +++

Skills: ++

Social competences: +

**Student's amount of work (balance of ECTS points)**

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	18
2. Online learning hours (e-learning):	42
3. Student's own work (self-study):	54,8
<b>Total student's workload</b>	<b>114,8</b>



ECTS points for module/course	4,5
Comments	
<b>Content of classes</b> (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)	
<b>Lectures</b> 1. Anatomy and physiology of the eye 2. Eye infections 3. Current standards of glaucoma treatment 4. Diabetic retinopathy 5. Laserotherapy in ophthalmology. 6. Ocular pharmacology 7. Age-related macular degeneration 8. Diagnostics and treatment of uveitis. 9. Ocular oncology 10. Ancillary diagnostic techniques	
<b>Seminars</b> 1. Anatomy, refraction disorders and slit-lamp examination. 2. Red eye. 3. Lens diseases 4. First aid rules 5. Glaucoma 6. Strabismus 7. Uveitis 8. AMD and retinal detachment 9. Diabetic retinopathy and retinal vein occlusion 10. Neuro-ophthalmology	
<b>Practical classes</b> 1. Methods of examination of the organ of vision 2. Diseases of eyelid, orbit and lacrimal system 3. Conjunctival, corneal and scleral diseases 4. Uveitis and choroidal tumors 5. Glaucoma 6. Lens diseases 7. Retinal detachment, retinal vessels disorders, retinal degenerations 8. Neuro-ophthalmology and strabismus 9. Refraction disorders 10. Systemic and local therapy in ophthalmology.	
<b>Other</b>	
<b>Basic literature</b> (list according to importance, no more than 3 items) 1. Lecture Notes: Ophthalmology Bruce James, Anthony Bron January 2012, Wiley-Blackwell (chapters 1-12) 2. Clinical Ophthalmology Jacek J. Kański	
<b>Didactic resources requirements</b> (e.g. laboratory, multimedia projector, other...) multimedia projector, laptop	
<b>Preliminary conditions</b> (minimum requirements to be met by the student before starting the module/course)	



Basic knowledge including anatomy, physiology, pathophysiology of orbital structures, eyeball and eye muscles.

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Each absence must be made up, including rector's days or dean's hours.

Test exam

<b>Grade:</b>	<b>Criteria</b> (only for courses/modules ending with an examination)
Very Good (5.0)	Attending classes. Very good knowledge of ophthalmology and the ability to practical selection and performance of ophthalmic examinations.
Good Plus (4.5)	Attending classes. Very good knowledge of ophthalmology and the ability to perform eye examinations
Good (4.0)	Attending classes. Good knowledge of ophthalmology and the ability to perform eye examinations
Satisfactory Plus (3.5)	Attending classes. Satisfactory knowledge of ophthalmology and the ability to perform eye examinations
Satisfactory (3.0)	Attending classes. Basic knowledge of ophthalmology and the ability to perform eye examinations
	<b>Criteria</b> (only for courses/modules ending with e credit)
Credit	Does not apply to the Faculty of Medicine

<b>Grade:</b>	<b>Criteria</b> (examination evaluation criteria)
Very Good (5.0)	60-56
Good Plus (4.5)	55-51
Good (4.0)	50-46
Satisfactory Plus (3.5)	45-41
Satisfactory (3.0)	40-38
Unit realizing the subject	<b>KATEDRA I KLINIKA OKULISTYKI</b>
Unit address	<b>50-556 WROCŁAW BOROWSKA 213</b>
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Person responsible for module	Prof. dr hab. n. med. Marta Misiuk-Hojło	
Coordinator	Dr n. med. Joanna Adamiec-Mroczek	
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List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
Marta Misiuk-Hojło	Prof. dr hab. n. med.	ophthalmology	physician; u.t.	L
Hanna Zając-Pytrus	Dr n. med.	ophthalmology	physician; u.t.	CC
Marek Szaliński	Dr n. med.	ophthalmology	physician; u.t.	CC
Joanna Adamiec-Mroczek	Dr n. med.	ophthalmology	physician; u.t.	CC
Agnieszka Rafalska	Lek.med.	ophthalmology	physician; u.t.	CC
Małgorzata Mimir-Jańczak	Lek.med	ophthalmology	physician; u.t.	CC
Wojciech Czak	Lek.med	ophthalmology	physician; u.t.	CC
Katarzyna Zimmer	Lek.med	ophthalmology	physician; u.t.	CC
Martyna Tomczyk-Socha	Lek.med	ophthalmology	physician; u.t.	CC
Małgorzata Kowalik-Jagodzińska	Lek.med	okulistyka	lekarz	CK
Urszula Szydelko	Lek.med	okulistyka	lekarz	CK

Date of Syllabus development

Syllabus developed by

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Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu  
KATEDRA I KLINIKA OKULISTYKI

prof. dr hab. Marta Misiuk-Hojło, prof. n. med.

Signature of Faculty Dean

Wrocław Medical University  
Faculty of Medicine  
Vice-Dean for Educational Studies  
prof. Beata Szydelko, PhD

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