



**Syllabus 2017/2018**

**Description of the course**

<b>Module/Course</b>	Ophthalmology		<b>Group of detailed education results</b>	
			<b>Group code F</b>	<b>Group name</b> Clinical Science Surgery
<b>Faculty</b>	Medicine			
<b>Major</b>	Medicine			
<b>Specialties</b>	-			
<b>Level of studies</b>	Uniform magister studies <input checked="" type="checkbox"/> * 1 <sup>st</sup> degree studies <input type="checkbox"/> 2 <sup>nd</sup> degree studies <input type="checkbox"/> 3 <sup>rd</sup> degree studies <input type="checkbox"/> postgraduate studies <input type="checkbox"/>			
<b>Form of studies</b>	<input checked="" type="checkbox"/> full-time <input checked="" type="checkbox"/> part-time			
<b>Year of studies</b>	<b>V</b>	<b>Semester</b>	<input checked="" type="checkbox"/> Winter <input checked="" type="checkbox"/> Summer	
<b>Type of course</b>	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / elective			
<b>Course</b>	<input checked="" type="checkbox"/> major <input type="checkbox"/> basic			
<b>Language of instruction</b>	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English <input type="checkbox"/> other			

\* mark  with an X

**Number of hours**

**Form of education**

Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
<b>Winter Semester</b>														
	10	3			19									
<b>Summer Semester</b>														
	10	3			20									
<b>TOTAL per year:</b>														



	20	6			39							

**Educational objectives (max. 6 items)**

- C1.** Basic knowledge including anatomy, physiology, pathophysiology of orbital structures, eyeball, eye muscles and ocular adnexa.
- C2.** Assimilation of subjective and objective examination's techniques of the organ of vision.
- C3.** Learning about additional tests used in ophthalmology and neuroophthalmology – implication and interpretation.
- C4.** 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.
- C5.** Learning about current surgical treatment or/ and laserotherapy in the most common pathologies of the optic system.
- C6.** Pharmacotherapy in ocular disease.

**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>
<b>K 01</b>	<b>F.K.11.1</b>	Student has basic knowledge including anatomy, physiology, pathophysiology of orbital structures, eyeball, eye muscles and ocular adnexa	Oral response	SE, CC
<b>K 02</b>	<b>F.K.11.2</b>	Student has the 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.	Oral response	L, SE, CC
<b>K 03</b>	<b>F.K.11.3</b>	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	Oral response	L, SE, CC



		vitreoretinopathies, tumors of the eye and ocular adnexa)		
<b>K 04</b>	<b>F.K.11.4</b>	Pharmacology in ocular disease	Oral response	SE, CC
<b>S 01</b>	<b>FS 19</b>	Student is able to exam and detect ophthalmic diseases and refraction disorders. Student knows therapeutic principals in treatment of ophthalmic diseases and refraction disorders.	Oral response	SE, CC
<b>S 02</b>	<b>FS 22</b>	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	Oral 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)**

<b>Student's workload</b> (class participation, activity, preparation, etc.)	<b>Student Workload (h)</b>
1. Contact hours:	65
2. Student's own work (self-study):	29,7
Total student's workload	94,7
<b>ECTS points for module/course</b>	5,0
Comments	

**Content of classes** (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

**Lectures**

1. Refraction disorders.
2. Pharmacology in ocular diseases.
3. Current standards of glaucoma treatment.
4. Thyroid eye disease
5. Diagnostics and treatment of uveitis.
6. Diabetic retinopathy
7. Aids for visually impaired
8. Age related macular degeneration.
9. Laserotherapy and surgery in ophthalmology.



### Seminars

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

### Practical classes

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.

### Basic literature (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

**Didactic resources requirements** (e.g. laboratory, multimedia projector, other...)  
multimedia projector, laptop

### Preliminary conditions (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)

Test exam



Grade:	Criteria (only for courses/modules ending with an examination)
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

**Name and address of module/course teaching unit, contact: telephone and e-mail address**

Katedra i Klinika Okulistyki  
ul. Borowska 213, 50-556 Wrocław Tel. +48 71 7364300, [klo@usk.wroc.pl](mailto:klo@usk.wroc.pl)

**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**

Prof. dr hab. Marta Misiuk-Hojto

**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.**

prof. Marta Misiuk-Hojto, dr hab. Radosław Kaczmarek, dr n. med. Anna Turno-Kręcicka, dr n. med. Małgorzata Mulak, dr Hanna Zając-Pytrus, dr n. med. Marek Szaliński, dr n. med. Mirosław Słowik, dr n. med. Patrycja Krzyżanowska-Berkowska, dr n. med. Joanna Adamiec Mroczek, dr n. med. Maria Pomorska

Dr n. med. Joanna Przeździecka-Dołyk (1/2 etatu: język migowy)

doktoranci - Anna Markuszewska, Kamil Kaczorowski, Olaf Fuchs, Martyna Tomczyk-Socha, Wojciech Czak, Ewa Wałek, Agnieszka Rafalska, Małgorzata Mimier

**Date of Syllabus development**

.....

**Syllabus developed by**

Uniwersytet Medyczny we Wrocławiu  
KATEDRA  
dr n. med. Mroczek

**Signature of Head of teaching unit**

Uniwersytet Medyczny we Wrocławiu  
KATEDRA I KLINIKA OKULISTYKI  
Kierownik  
prof. dr hab. Marta Misiuk-Hojto, prof. n. med.



Signature of Faculty Dean

Medyczny we Wrocławiu  
WYDZIAŁ Język Angielski  
Pracownicy Wydziału  
w Języku Angielskim

prof. dr hab. Andrzej Hendrich