Appendix 5
to Resolution No. 15630
of Senate of Wroclaw Medical University
of 30 March 2016

Syllabus 2020/2021

Description of the course

Module/Course	Ophthalmology	Group of detailed education results	
		Group code F	Group name Intervencional clinical science
Faculty	Medicine		
Major	Medicine		
Specialties	Not applicable		
Level of studies	Uniform magister studies ☒* 1st degree studies ☐ 2nd degree studies ☐ 3rd degree studies ☐ postgraduate studies ☐		
Form of studies	☒ full-time ☐ part-time		
Year of studies	V	Semester	☒Winter ☒Summer
Type of course	☒obligatory ☐ limited choice ☐ free choice / elective		
Course	☒major ☐ basic		
Language of instruction	☐ Polish ☒English ☐ 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)
Winter Semester														
Ophthalmology Department	10	3			19									
Summer Semester														
Ophthalmology Department	10	3			20									

TOTAL per year:													
	20	6			39								

Educational objectives (max. 6 items)

C1. Basic knowledge including anatomy, physiology, pathophysiology of orbital structures, eyeball, eye mussels 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 ***enter the abbreviation*
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 and immune-mediated disorders or civilization's diseases like glaucoma.	Oral response	L, SE, CC
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,	Oral response	L, SE, CC

		cataract, glaucoma, retinal detachment, proliferative vitreoretinopathies, tumors of the eye and ocular adnexa)		
K04	F.K.11.4	Pharmacology in ocular disease	Oral response	SE, CC
S01	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
S02	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:	65
2. Student's own work (self-study):	60,9
Total student's workload	125,9
ECTS points for module/course	4,5
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 burgery 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 mussels.

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 med 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.

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Test exam

Grade:	Criteria for course
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
Grade:	**Criteria for exam (test)**
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

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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 Mimier-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 Szydełko	Lek.med	okulistyka	lekarz	CK

Date of Syllabus development

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Syllabus developed by

Uniwersytet Medyczny we Wrocławiu
KATEDRA I KLINIKA OKULISTYKI
adiunkt dydaktyczny
dr n. med. Joanna Adamiec-Mroczek

.....

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
KATEDRA I KLINIKA OKULISTYKI
kierownik
prof. dr hab. Marta Misiuk-Hojło, prof. zw.

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Signature of Faculty Dean

Faculty of Medicine
Vice-Dean for Research Studies
prof. Beata Sobkowska, PhD

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