Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C6.10-O
Course title in Polish: Okulistyka
Course title in English: Opthalmology

1. Placement of the course within the study programme

1.1. Field of study	Medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's studies
1.4. Profile of study	General academic
1.5. Course specification author	dr hab. n. med. Dominik Odrobina
1.6. Contact	

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	Anatomy, physiology

3. Detailed characteristics of the course

3.1. Type of classes	Lectures: 15 h (including 3 hours of e-learning) Classes: 15 hours Practical classes: 15 hours
3.2. Place of course delivery	Lecture - course in the didactic classes at JKU Classes and practical classes Department of Ophthalmology WSZ Kielce
3.3. Form of assessment	Lecture - Exam; Classes and practical classes - Credit with grade, Lectures are mandatory in accordance with Chapter III, §7, subsection 3, point 2.
3.4. **Teaching methods**	seminar lecture, discussion, case study in natural conditions
3.5.a. Basic reading list	Current Concepts in Ophthalmology, Andrzej Grzybowski Springer; Edycja 1st ed. 2020
3.5.b. Supplementary reading list	

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)

Lectures
Goals of objective:
Cl. Introduce students to anatomy, physiology, and pathophysiology of the visual system C2.Presentation of the most important diagnostic methods of the visual system C3.Introduce students to the diseases of the visual system including neuropthalmology

Classes/Practical classes:
C4.Presentation of the ophthalmic condictions associated with general diseases (i.e. diabetes mellitus Lyme disease) requiring interdisciplinary therapy
C.5.Providing knowledge about conservative treatment, surgical treatment and laser therapy C6.Providing knowledge about management of eye injuries

4.2. Detailed syllabus

Lectures:

I. Anatomy,physiology and pathophysiology of the visual system
2. Errors of refraction

3.Orbital diseases, diseases of the protective system of the eye, diseases of the lacrimal gland 4.Conjunctival diseases corneal diseases, sclera diseases
5.Uvea diseases 6.Glaucoma
7.Lens diseases
8.Retinal diseases (retinal detachment, vascular diseases, degenerative diseases)
9.Strabismus and neurophthalmology
10.Diagnostic methods in ophthalmology, including imaging tests (OCT,HRT,USG,AF)
11 .Systemic and local ophthalmic treatment. Conservative and surgical treatment 12.Injuries of the visual system. Emergency ophthalmic first aid

Classes/Practical classes:

1. Anatomy,physiology and pathophysiology of the visual system
2. Errors ofrefraction
3. Orbital diseases, diseases of the protective system of the eye, diseases of the lacrimal gland
4. Coniunctival diseases, corneal diseases, sclera diseases

4.3 Course learning outcomes

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
in the area of **KNOWLEDGE**, the graduate:		
W0l	knows eligibility rules as well as basic and most common complications of surgery and other invasive diagnostic and treatment procedures;	F.W3.
W02	knows postoperative treatment and analgesic therapy as well as post-operative monitoring;	F.WS.
W03	knows the issues concerning modem imaging tests, in particular: a) basic radiological symptomatology of diseases, b) instrumental methods and imaging techniques used to perform medical treatments, c) the indications, contraindications and preparation of patients to particular types of imaging tests and contraindications the use of contrast a,gents;	F.WlO.
W04	knows eye diseases, in particular: a) knows and explains the causes, symptoms, principles of diagnosis and therapeutic management of the most common ophthalmic diseases, b) knows ophthalmic complications of systemic diseases vvith their ophtbalmological symptomatology and proper procedures in these cases, c) knows surgical treatment in the diseases of the eye, d) knows the basic groups of drugs used in ophthalmology, their side effects and interactions, e) knows groups drugs used in general, with associated complications and ophthalmic contraindicationsand explain their mechanism;	F.WII.
in the area of **ABILITIES**, the graduate:		
U0l	assesses patient's general condition, consciousness and awarenes;	E.U7.
U02	performs differential dia!!nosis of the most common diseases in adults and children;	E.Ul2.
U03	assesses and describes the somatic and mental state of patients;	E.Ul3.
U04	reco!mizes states of a direct threat to life;	E.Ul4.
UOS	plans diairnostic, theraoeutic and preventive procedures;	E.Ul6.
U06	conducts analysis of the potential side effects of each drug and the interaction between them·	E.U17.
U07	qualifies the patient for home treatment and hospitalization;	E.U20.
U08	defines states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with soecific guidelines for the disease;	E.U21.

U09	interprets laboratory tests/results and identifies the reasons for deviations;	E.U24.
UlO	plans specialist consuJtations;	E.U32.
Ul I	assists during a typical surgery, prepares the surgical site and locally anesthetizes operated area:	F.UI.
Ul2	complies with the aseptic and antiseptic rules;	F.U3.
Ul3	manages simple wounds and changes sterile surgical dressing	F.U4.
Ul4	oerforms ophthalmolocic screening:	F.Ul9.
Ul5	recognizes ophthalmic conditions that require immediate medical specialist support and provides initial, qualified assistance in cases of injury to the physical and chemical properties of the eye;	F.U20.

in the area of social competences:

K01	establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences;	H.S1.
K02	do what is right for the patient;	H.S2.
K03	respect medical confidentiality and patient's rights;	H.S3.
K04	take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness;	H.S4.
K05	recognize his/her own limitations and self-evaluate educational deficiencies and needs;	H.S5.
K06	promote healthy lifestyle;	H.S6.
K07	use reliable information sources;	H.S7.
K08	conclude on the basis of own surveys and observations;	H.S8.
K09	introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment;	H.S9.
K10	give opinions concerning various aspects of professional activity;	H.S10.
K11	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11.

4.4 Assessment methods for learning outcomes

Assessment method (+/-)

Course learning outcomes (code)	Oral/written/ practical examinaion /other (specify)*	Test*	Project*	In-class activity*	Independent study*	Group work*	Other (specify)*

Type of classes

1: / 2:	L	S	CP	L	S	PC	L	S	PC	L	S	PC	L	S	PC	L	S	PC	L	S	PC
W01-W04	+																				
U01-U33					+	+					+	+									
K01-K11																			+	+	

Annotation. 1: form of classes; 2: learning outcomes

4.5 Assessment criteria for learning outcomes

Type of classes:

Lectures (L) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	61-68% Mastering the content of the curriculum at the basic level, chaotic answers, necessary leading questions
3,5	69-76% Mastering the content of the curriculum at the basic level, systematized answers, requires the teacher's help.
4,0	77-84% Mastering the content of the curriculum at the basic level, systematic and independent answers. Problem solving in typical situations.
4,5	85-92% The scope of the presented knowledge goes beyond the basic level based on the suoolementarv literature provided.
5,0	93-100% The scope of the presented knowledge goes beyond the basic level based on self-acquired scientific sources of information.

5 ECTS credit allocation – student workload

Category	Student workload (full-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	***40***
Participation in lectures*	12
Participation in seminars/laboratories*	25
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	3*
INDEPENDENT STUDY (NON-CONTACT HOURS)	**10**
Preparation for lectures*	**10**
Preparation for seminars/laboratories*	
Preparation for examination/test*	
Gathering materials for project, online research*	
Preparation of a multimedia presentation*	
Other (specify)*	
TOTAL HOURS	**50**
ECTS CREDITS for the course	**2**

***** e-learning (without participation of the lecturer)

Approved for implementation (date and legible signatures of course instructors in the given academic year):

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