



**Pomorski Uniwersytet Medyczny w Szczecinie**  
**SYLLABUS of the MODULE (SUBJECT)**  
**General information**

<b>Module title: Ophthalmology:</b>	
Module type	Obligatory
Faculty PMU	Medicine and Dentistry (WLS)
Major	Medicine and Dentistry (KLD)
Specialty	-
Level of study	long-cycle
Mode of study	Full Time
Year of studies, semester e.g. Year 1, semester (I and II)	Year 3 ,semester VI
ECTS credits (incl. semester breakdown)	1
Type/s of training	seminars 4 godzin, practical classes 10 h
Form of assessment	graded assessment
Head of the Department/ Clinic, Unit	<b>Prof. dr hab. n. med. Anna Machalińska I KiKO</b> <b>Prof. dr hab. n. med. Wojciech Lubiński II KiKO</b>
Persons conducting classes with indication of a tutor or person responsible for the module	prof. dr hab. n. med. Wojciech Lubiński, <a href="mailto:oko@pum.edu.pl">oko@pum.edu.pl</a> prof. dr hab. n. med. Anna Machalińska, <a href="mailto:annam@pum.edu.pl">annam@pum.edu.pl</a> prof. dr hab. n. med. Damian Czepita, <a href="mailto:czpita@pum.edu.pl">czpita@pum.edu.pl</a> dr hab. n. med. Monika Modrzejewska prof. PUM Dr hab. n. med. Lidia Puchalska- Niedbał, dr n. med. Katarzyna Mozolewska – <a href="mailto:Piotrowska@pum.edu.pl">Piotrowska</a> <a href="mailto:kmp@pum.edu.pl">kmp@pum.edu.pl</a> dr n. med. Karol Krzystolik <a href="mailto:krzystolikk@poczta.onet.pl">krzystolikk@poczta.onet.pl</a> dr n. med. Leszek Kuprjanowicz <a href="mailto:leszek.kuprjanowicz@pum.edu.pl">leszek.kuprjanowicz@pum.edu.pl</a> dr n. med. Karolina Podboraczyńska- Jodko, <a href="mailto:kjodko@pum.edu.pl">kjodko@pum.edu.pl</a> <a href="mailto:lek.MartynaChrzanowska@wp.pl">lek. Martyna Chrzanowska marting8@wp.pl</a> lek. Elżbieta Krytkowska
Department's/Clinic's/Unit's website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarski/katedra-i-klinika-okulistyki">https://www.pum.edu.pl/wydzialy/wydzial-lekarski/katedra-i-klinika-okulistyki</a>
Language	Polish/English

### Detailed information

Module objectives		Acquiring general knowledge about diagnostics, treatment and prophylaxis of diseases of the organ of sight with particular emphasis on dental diseases, ophthalmologic diseases coexisting with diseases of the masticatory organ and oncologic changes of the organ of sight.
Prerequisite /essential requirements	Knowledge	The student has general knowledge of anatomy and physiology of the organ of vision.
	Skills	The student is able to conduct an interview with patients and interpret the obtained information.
	Competences	understands the need of keeping the medical secret and respecting patients' rights. has the ability to establish contact with the patient regardless of his/her age and shows respect towards the patient and concern for his/her welfare.

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject)	SYMBOL (Referring to) Assumed Learning Outcomes	Means of verification of learning outcomes*
W01	Assess ophthalmic symptoms, diagnose eye diseases and plan treatment	K_E.W13	Continuous assessment in practical classes + S P D
W02	Characterize the role of focal infections in ocular diseases	K_E.W14	Continuous assessment in practical classes
W03	Assess the extent of eye injuries and apply first aid	K_E.W13	Continuous assessment in practical classes
W04	Knows the rules of qualification and performance of basic surgical procedures and invasive diagnostic and therapeutic procedures in in ophthalmology	K_E.W13	Continuous assessment in practical classes + S P D
U02	Discuss and diagnose selected disease entities of the optic and protective system	K_E.U19	Continuous assessment in practical classes
K01	Apply in practice the ethical principles and legal conditions related to the performed profession	K_K02	Continuous assessment in practical classes

**Table presenting LEARNING OUTCOMES in relation to the form of classes**

item	SYMBOL (Referring to) Assumed Learning Outcomes	Form of didactic classes							
		Lecture	Seminars	Laboratory	Design classes	Practical classes	Practical	Attachment	other ...
1.	K_E.W1 3	X					X		
2.	K_E.W1 4	X					X		
3.	K_E.W1 3	X					X		
4.	K_E.W1 3	X					X		
5.	K_E.U19	X					X		
6.	K_K02						X		

item	Description of learning content	Num ber of hours	References to learning outcomes for the module
TK1	A: Anatomy and physiology of the organ of vision	1	W01
TK2	A: Emergency conditions in ophthalmology - management. Ophthalmic oncology	1	W01,02,03, W04
TK3	A: Dental diseases	1	W02, W04
TK4	A: Red eye. Glaucoma	1	W01, 02,03,04
TK5	Exercise: History in eye diseases. Daylight examination (orbit, eyelids, lacrimal organ, conjunctiva, sclera, cornea, anterior chamber, iris, lens).	2	W01,W02,W04, U01,K01
TK6	Exercise: Colour sense test - pseudoisochromatic arrays. Examination of visual field: perimeter, campimeter, Amsler grid. Slit lamp.	2	W01,W02,U01,K01
TK7	Exercise: Fundus examination - direct speculum, indirect speculum with the Volk lens, binocular speculum. with the use of binocular speculum. Ultrasonography.	2	W01,W02,W03,U01,K01
TK8	Exercise: First aid - acute conditions in ophthalmology, practical skills (inverting the eyelid, rinsing the conjunctival sac, treatment of acute glaucoma attack, sudden blindness, administering eye drops, applying ointments, eyelid massage). Tonometry - measurement of pressure by palpation and instruments. Examination of pupillary reflexes. Demonstration of medical equipment - operating room.	2	W01,W02,W03, W04, U01,K01

TK9	Exercise: Examination of eye movements. Examination of visual acuity. Presbyopia. General principles of eyeglass fitting. Review of anatomy. Examination of the twitching eye. Strabismus: causes, examination. Examination of binocular vision.	2	W01,W02,W03,U01,K01
TK10	Operating room.	2	W03,W04, U01,K01

Booklist:			
„Podstawy Okulistyki”. M. Nizankowska, 2000. Wyd. Volumed			
„Stany nagłe w okulistyce” J. Szaflik, I Grabska-Liberek, J. Izdebska, Wyd. Lekarski PZWL, Warszawa 2003, wyd. 1			
„Pierwsza pomoc okulistyczna”. A. Lennox . Webb 2005			
„Zarys podstawowych problemów współczesnej okulistyki”. O. Palacz, PUM, Szczecin 2003, Wyd.1			
„Okulistyka Kliniczna”. J Kański, B.Bowling. 2013. Wyd. Elsevier Urban & Partner. wyd.4			
Student’s workload (balance of ECTS scores)			
(in-class participation; activeness, produce a report, etc.)	Student’s workload [h]		
	Tutor .	Student .	Mean
Contact hours with the tutor	14	14	14
Time spent on preparation to seminars/ practical classes	14	14	14
Time spent on reading recommended literature	-	14	-
Time spent on writing report on Laboratory/practical classes/making project/paper etc.	-	-	-
Time spent on preparing to colloquium/ entry test	-	-	-
Time spent on preparing to exam	-	-	-
Other .....	-	-	-
Student’s workload in total		42	
ECTS credits for the module/subject	1 (each Faculty of 0,5)		
Notes			

\* Selected examples of methods of assessment: EP – written examination  
 EU – oral examination  
 ET – test examination  
 EPR – practical examination  
 K – colloquium  
 R – report  
 S – practical skills assessment  
 RZC – practical classes report, incl. discussion on results  
 O – student's active

participation and attitude assessment SL –  
lab report  
SL – laboratory report SP – case  
study  
PS - assessment of student's ability to work  
independently W – entry test PM –  
multimedial presentation  
other...