



Syllabus for academic year: 2021/2022													
Training cycle: : 2017/2018 – 2022/2023													
Description of the course													
Course	GERIATRICS								Group of detailed education results				
									Group code E	Group name Non-interventional Clinical Sciences			
Faculty	Faculty of Medicine												
Major	Medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	V						Semester:	<input checked="" type="checkbox"/> winter <input checked="" type="checkbox"/> summer					
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English												
Number of hours													
Form of education													
	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)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Department of Geriatrics													
Direct (contact) education ¹					15								
Distance learning ²	5												
Summer semester:													
Department of Geriatrics													
Direct (contact) education					15								
Distance learning	5												

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



TOTAL per year:												
Department of Geriatrics (Dep. in charge of the course)												
Direct (contact) education				30								
Distance learning	10											
Educational objectives (max. 6 items)												
C1. Providing students with interdisciplinary knowledge about health problems of elderly people. Acquainting with the process of human aging in terms of biological, psychological and social aspects as well as pathomechanisms, including non-modifiable and modifiable factors.												
C.2. To acquaint students with the knowledge about the differences in the clinical course of diseases and modification of therapy in elderly patients. The importance of Giant Geriatric Syndromes and the role of a doctor in caring for a geriatric patient.												
C3. Providing students with knowledge about polypharmacy and polypharmacy as well as geriatric iatrogenic syndromes, as well as the risks of hospitalization of geriatric patients.												
C4. Acquiring by students the skills of subjective and physical examination of elderly patients, taking into account scales and tests assessing functional and mental fitness (Comprehensive Geriatric Assessment).												
C5. Acquisition by students of the skills to properly qualify older people to care and treatment institutions, nursing homes - classes at the Center for Dementia Diseases in Ścinawa.												
C6. Development social competences needed to practice the medical profession, in accordance with graduate's profile.												
Education result for course in relation to verification methods of the intended education result and the type of class:												
Number of detailed education result	Student who completes the course knows/is able to							Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>			
E.W8	Student knows the course and manifestations of the ageing process and the principles of holistic geriatric assessment and interdisciplinary care in relation to the elderly patient							Credit Test	L			
E.W9	Student knows the causes and main specificities of the most common diseases affecting the elderly and the management of the main geriatric syndromes							Credit Test	L			
E.W10	Student knows the basic principles of pharmacotherapy of diseases affecting the elderly							Credit Test	L			
E.W11	Student knows the risks associated with hospitalisation of the elderly							Credit Test	L			
E.W12	Student knows the basic principles of organising care for the elderly and the responsibilities of a caregiver for the elderly person							Credit Test	L			
E. U1	Student is able to conduct anamnesis with an adult patient							Observation of student's activities	CC			
E. U3	Student is able to conduct a complete and focused physical examination of an adult patient							Observation of student's activities	CC			
E. U5	Student is able conduct a psychiatric examination							Observation of student's activities	CC			
E.U13	Student is able to assess and describe the somatic and psychological state of the patient							Observation of student's activities	CC			
E.U16	Student is able to plan diagnostic, therapeutic and preventive procedures							Discussion, Oral answer	CC			



E.U17	Student is able to conduct an analysis of possible adverse reactions to and interactions between individual drugs	Discussion, Oral answer	CC
E.U35	Student is able to assess pressure sores and apply appropriate dressings	Observation of student's activities	CC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	30
2. Number of hours of distance learning:	10
3. Number of hours of student's own work:	15
4. Number of hours of directed self-study	n/a
Total student's workload	55
ECTS points for course	2.0

Content of classes:

Lectures

Winter semester (5 hours):

1. The aging process. Aging theories, various aspects: biological, psychological and social.
2. The specificity of interdisciplinary care for the elderly. Functional limitations.
3. Comprehensive Geriatric Assessment. Giant Geriatric Syndromes.
4. Pharmacotherapy in geriatrics. Geriatric iatrogenic syndromes. Vaccinations in the elderly.
5. Sarcopenia and frailty syndrome.

Summer semester (5 hours):

6. Different faces of dementia.
7. Osteoporosis and falls.
8. Hospitalization of the elderly. Dehydration and hyponatremia. Depression in old age. Delirium.
9. Prevention of cardiovascular disease. Chronic heart failure.
10. Hypertension in the elderly. Atrial fibrillation.

Seminars

n/a

Classes

Winter semester (15 hours):

1. The specificity of medical history and physical examination in elderly patients. Phantoms showing deficits.
2. Practical application of the Comprehensive Geriatric Assessment (COG). Assessment of the functional state of patients: Katz, Lawton, Barthel scales; Tinetti test; Norton, Torrance and Braden scales; MNA scale).
3. COG - patient assessment for cognitive impairment: Folstein MMSE scale and Sunderland Clock Drawing Test (CDT); Depression rating scales: Yesavage's Geriatric (GSD) (shortened and full); scales of fear and loneliness.
4. Examination of patients with cognitive impairment - dementia, depression, delirium (DOSS and CAM scales).
5. Differences in the results of laboratory tests in the elderly - analysis of sample results.
6. Diseases of the cardiovascular system in the elderly (ischemic disease, hypertensive disease, atrial fibrillation and heart failure). Obesity and diabetes - differences in old age.
7. Diseases of the respiratory system (infectious, COPD, tuberculosis). Old age neoplasms. Cases study.
8. Diseases of the digestive system typical of old age. Cases study.

Summer semester (15 hours):

9. Malnutrition (risk assessment, testing, laboratory parameters); deficiencies of iron, vit. D and B12.
10. Diseases of the locomotor system in elderly people (degenerative disease, polymyalgia, osteoporosis). Mobility disorders, falls: risk and consequences. Diseases of the genitourinary system. Urinary and stool incontinence.
11. Risk assessment of falls: Tinetti test, stand up and walk test, walking speed, Berg and SPPB battery test.
12. Frailty syndrome - phenotypic criteria of L. Fried, cumulative deficits criteria, Edmonton scale.
13. Drugs verification: pharmacodynamic specificity, doses adjusted to eGFR. Polypragmasia: cases studies.
14. Compensation nursing, ways to improve the quality of life. Long-term care qualification.



15. Checking the skill of examining patients with the use of COG. Therapy analysis. Credit Test.
Other n/a
Basic literature 1. JF Halter t al. Hazzard's Geriatric Medicine and Gerontology, 7 th edition, McGraw-Hill Education, 2017. 2. F. Lally, Ch. Roffe Geriatric Medicine: an evidence-based approach, Oxford Medical Press, 2014. 3. R. Kane, J. Ouslander: Essentials of Clinical Geriatrics, Mc Graw Hill Education,, 7 th edition, 2013. Additional literature and other materials Articles and presentations provided by the teacher.
Preliminary conditions: (minimum requirements to be met by the student before starting the course) -basic knowledge on internal diseases, neurology and psychiatry; -the ability to examine the subject and physical examination of patients.
Conditions to receive credit for the course: - activity during classes; passing practical skills; - final test: min. 60% positive answers. All missed classes (including rector's days and dean's hours) must be completed. Assessment is made in direct contact with an academic teacher or using electronic means of communication.

Grade:	Criteria for courses ending with a grade ³
Very Good (5.0)	95% -100% of the correct answers from the test and passing the practical skills
Good Above (4.5)	88%-94% of the correct answers from the test and passing the practical skills
Good (4.0)	78%-87% of the correct answers from the test and passing the practical skills
Satisfactory Plus (3.5)	70%-77% of the correct answers from the test and passing the practical skills
Satisfactory (3.0)	60%-69% of the correct answers from the test and passing the practical skills
	Criteria for courses ending with a credit ³
Credit	n/a

Grade:	Criteria for exam ³ n/a
Very Good (5.0)	
Good Above (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Department in charge of the course:	Department of Geriatrics
Department address:	M. Curie- Skłodowskiej str. 62, 50-369 Wrocław
Telephone:	71 784 24 28
E-Mail:	magdalena.ciechanowicz@umed.wroc.pl (secretariat)

Person in charge for the course:	Prof. Malgorzata Sobieszkańska, MD, PhD
Telephone:	71 784 24 28
E-Mail:	malgorzata.sobieszczanska@umed.wroc.pl

List of persons conducting specific classes:

³ The verification must cover all education results, which are realize in all form of classes within the course



Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Małgorzata Sobieszczkańska	Professor. MD, PhD	medical sciences	doctor	L, CC
Karolina Lindner	MD, PhD	medical sciences	doctor	CC
Joanna Żórawska	MD, PhD	medical sciences	doctor	CC
Małgorzata Szymala – Pędzik	MD	medical sciences	doctor	CC

Date of Syllabus development

30.06.2021

Syllabus developed by

Małgorzata Sobieszczkańska

Signature of Head(s) of teaching unit(s)

Dean's signature

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..... Uniwersytet Medyczny we Wrocławiu
KATEDRA I KLINIKA GERIATRII
kierownik
M. Sobieszczkańska
prof. dr hab. Małgorzata Sobieszczkańska

