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

Syllabus for academic year 2018/2019			
Description of the course			
Module/Course	**GERIATRICS**	Group of detailed education results	
		Group code: E	Group name: **Non-interventional Clinical Sciences**
Faculty	Medicine		
Major	Medical		
Specialties	Not applicable		
Level of studies	Uniform magister studies X 1st degree studies ☐ 2nd degree studies ☐ 3rd degree studies ☐ postgraduate studies ☐		
Form of studies	X full-time ☐ part-time		
Year of studies	V	Semester	X Winter X Summer
Type of course	X obligatory		
Course	X major ☐ basic		
Language of instruction	☐ Polish X 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	5				15									
Summer Semester	5				15									

TOTAL per year: 40

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Educational objectives :

C1. Making students familiar with interdisciplinary knowledge on problems of elderly people: different aspects of ageing process – biological, psychological and social; causes and mechanisms of ageing including modifiable and unmodifiable factors.
C2. Obtaining by students a capability of performing the Comprehensive Geriatric Assessment (CGA), using tests evaluating everyday functioning and health state of elderly persons.
C3. Getting knowledge about a specificity of course of diseases, diagnostic problems and treatment modes in the elderly patients.
C4. Getting knowledge about problems connected with the iatrogenic syndrome in elderly patients.
C5. Learning of organization and standards of geriatric care, and fundamentals of medical qualification of elderly patients to the various institutional forms of care.
C6. Awareness of significance of Great Geriatric Syndromes and a role of physician in the caring process.

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*
W01	E.W8	Student defines various aspects of the ageing process and describe the examinations creating the Comprehensive Geriatric Assessment (CGA).	Credit test	L
W02	E.W9	Student explains a specificity of diseases in elderly patients and defines the major problems and syndromes occurring in older adults (Great Geriatric Problems)	Credit test	L
W03	E.W10	Students explains differences of pharmacotherapy (doses!) and a risk of the drug-induced complications in the elderly patients	Credit test	L
W04	E.W11	Student describes standards of the elderly patients' hospitalization	Credit test	L
W05	E.W12	Student defines principles of the geriatric care and the burdens of caregivers of elderly persons	Credit test	L
U01	E. U1	Student is able to assess the medical, economical and social consequences of the ageing process	Assessment of practical skills	CC
U02	E.U3, E. U13	Student performs the patients' assessment using the particular clinical scales applied in Comprehensive Geriatric Assessment (CGA)	Assessment of practical skills	CC
U03	E.U3, E. U13	Student performs the physical examination in elderly patients manifesting disorders of the cardiovascular, pulmonary, alimentary and movement systems	Assessment of practical skills	CC

U04	E.U5	Student is able to examine patients with mental, cognitive, depressive and manic disorders, and with previous stroke episode	Assessment of practical skills	CC
U05	E.U16	Student plans the diagnostic, therapeutic and preventive procedures in elderly persons	Assessment of practical skills	CC
U06	E.U17	Student performs geriatric analysis of adverse effects of the individual medicines and is able to determine the interactions between the various medical preparations	Assessment of practical skills	CC
U07	E.U18	Student proposes in the elderly patients individualization of the obligatory therapeutic recommendations, as well indicates other methods of treatment in case of inefficiency of the standard therapy or contraindications to it	Assessment of practical skills	CC
U08	E.U22	Student can examine elderly patients manifesting somatic or/and psychic disability	Assessment of practical skills	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: 5
Skills: 5

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	40
2. Student's own work (self-study):	15
Total student's workload	55
ECTS points for module/course	2,0
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. Process of ageing in various aspects: biological, psychological and social.
2. Specificity of clinical management in elderly patients: taking of history and physical examination – Comprehensive Geriatric Assessment (CGA).
3. Great Geriatric Problems: gait and balance disorders, falls, bedsores, urine and stool incontinence.
4. Impairments of cognitive functions in old age: dementia, delirium, depression, manic syndromes.
5. Specificity of diseases in elderly patients: unusual presentation and course of disease, multi-morbidity (multiple disorders), polypharmacy and polypragmasia, nutritional status.
6. Cardiovascular system in old age: heart failure, hypertensive disease, arrhythmias.
7. Frailty syndrome. Sarkopenia

8. Disorders of mobility, falls, injuries, osteoporosis. Vision and hearing impairments.
9. Quality of life in old age, possibilities of its improving, compensatory care.
10. Organization of care for elderly people in Poland. Examples of the geriatric care systems in EU.

Clinical classes:

1. Comprehensive Geriatric Assessment (CGA) in elderly patients in the geriatrics ward.
2. CGA – practical usage of tests and scales specifically purposed for for elderly people.
3. CGA – examination of the elderly patient: the Tinetti test (risk of falls); the scales of Katz, Lawton, and Barthel (simple and complex everyday functioning); the scales of Norton (risk of bedsores); the scale of Cummins (operation risk >70 years); the MNA (Mini Nutritional Assessment - general and antropometric assessment, assessment of diet, self-assessment of patient).
4. Examination of elderly patients with impairments of cognitive functions: dementia, depression.
5. CGA – assessment of mental and emotional state of the elderly patient – dementia assessment: the Folstein MMSE (Mini Mental State Examination) and the Clock Drawing Test ; depression assessment: the GDS (Geriatric Depression Scale by Yesavage), the Hamilton scale, the Beck scale.
6. Brain insult (stroke), parkinsonism, venous insufficiency, thromboembolic disease in elderly patients: clinical presentation, diagnosis and treatment in old age.
7. Cardiovascular diseases in elderly patients (coronary artery disease, arterial hypertension, heart failure) – clinical presentation, diagnosis and treatment in old age.
8. Diseases of the respiratory system (infectious, COPD, tuberculosis, tumors) – clinical presentation, diagnosis and treatment in old age.
9. Impairments of the locomotor system, disorders of the genital-urinary system – clinical presentation, diagnosis and treatment in old age.
10. Obesity, impairments of the thyroid gland and diabetes mellitus in old age.
11. Menopause and andropause.
12. Traumatism, problems with miction and defecation, vision and hearing disorders – clinical presentation, diagnosis and treatment in old age. Compensatory care and method for improving quality of life in elderly people.
13. Examination of the elderly patients with Great Geriatric Problems.
14. Examinations of the elderly patients in the care-and-treatment institutions.
15. Credit of the Course – skills in examinations of the old adults patients and colloquium in knowledge on geriatrics.

Basic literature (list according to importance, no more than 3 items)

1. F. Lally, Ch. Roffe Geriatric Medicine: an evidence-based approach, Oxford Medical Press, 2014.
2. JF Halter t al. Hazzard's Geriatric Medicine and Gerontology, 7th edition, McGraw-Hill Education, 2017.
3. R. Kane, J. Ouslander: Essentials of Clinical Geriatrics, Mc Graw Hill Education,, 7th edition, 2013.

Additional literature and other materials:

1. Articles and presentations provided by the teacher.

Didactic resources requirements:

The 'old age' simulation suit, the hemiplegia simulation suit, CGA scales forms, stethoscopes, sphygmomanometer, multimedia projector, laptop

Preliminary conditions (minimum requirements to be met by the student before starting the course):

Basic knowledge on internal diseases, neurology and psychiatry

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):

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NOTE: Attendance at all classes is obligatory – in the case of absence (incl. rector's/dean's days/hrs) – missing class must be made up on the agreed rules
CREDIT TEST – TO PASS STUDENT MUST GET min. 60% of the correct answers

Grade:	Criteria
Very Good (5.0)	95%-100% of proper answers
Good Plus (4.5)	88%-94% of proper answers
Good (4.0)	78%-87% of proper answers
Satisfactory Plus (3.5)	70%-77% of proper answers
Satisfactory (3.0)	60%-69% of proper answers

Name and address of module/course teaching unit, contact: telephone and e-mail address:
Department and Clinic of Geriatrics, Wroclaw Medical University, Curie-Skłodowskiej 66, 50-369 Wrocław, tel. secretariat: Magdalena Ciechanowicz – 71 784 24 28

Coordinator/ person responsible for course, contact: telephone and e-mail address:
Prof. Małgorzata Sobieszczańska: malgorzata.sobieszczanska@umed.wroc.pl

List of persons conducting specific classes:
Prof. Małgorzata Sobieszczańska, MD, PhD – lectures; clinical classes.
Karolina Lindner, MD; Anna Parużyńska MD; Małgorzata Pędzik-Szymala MD; Joanna Żórawska. Prof. Karol Kozak MD and Krzysztof Pachołek, MD (PhD student) – clinical classes.

Syllabus developed by:

Małgorzata Sobieszczańska

Date of Syllabus development:
20.07 2018

Signature of Head of teaching unit:
Uniwersytet Medyczny we Wrocławiu
Katedra i Klinika Geriatrii
p.o. kierownika
prof. dr hab. Małgorzata Sobieszczańska

Signature of Dean of the Faculty:
WYDZIAŁ LEKARSKI
DZIEKAN
prof. dr hab. Małgorzata Sobieszczańska