

Subject name Geriatrics	ECTS Code																		
Name of unit teaching the subject THE ZBIGNIEW RELIGA FACULTY OF MEDICAL SCIENCES IN ZABRZE, THE UNIVERSITY OF TECHNOLOGY IN KATOWICE																			
Studies <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">Field of study</th> <th style="width: 25%;">degree</th> <th style="width: 25%;">mode</th> <th style="width: 25%;">major</th> <th style="width: 20%;">specialization</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">medical</td> <td style="text-align: center;">Uniform Master's</td> <td style="text-align: center;">Stationary/non-stationary</td> <td></td> <td></td> </tr> </tbody> </table>		Field of study	degree	mode	major	specialization	medical	Uniform Master's	Stationary/non-stationary										
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Surname of instructor (instructors)																			
Type of class, method of implementation and specified number of hours	Amount of ECTS points																		
A.Type of class <ul style="list-style-type: none"> • lecture, • exercise classes, • clinical exercise classes • classes in simulated conditions • seminars, • design classes • laboratories, • lectureship, • diploma seminar, • professional internship.* <p>* mark where applicable</p>	Description of awarding ECTS points: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 70%;">Activity</th> <th style="width: 30%;">Student workload</th> </tr> </thead> <tbody> <tr> <td>Participation in lectures</td> <td style="text-align: center;">5 hours</td> </tr> <tr> <td>Participation in practical classes</td> <td style="text-align: center;">30 hours</td> </tr> <tr> <td>Preparation for practical classes and colloquiums</td> <td style="text-align: center;">10 hours</td> </tr> <tr> <td>Examination preparation</td> <td style="text-align: center;">10 hours</td> </tr> <tr> <td>Report preparation</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Consultations</td> <td style="text-align: center;">5 hours</td> </tr> <tr> <td>Total number of hours</td> <td style="text-align: center;">60 hours / 30</td> </tr> <tr> <td>Amount of ECTS points per module</td> <td style="text-align: center;">2ETCS</td> </tr> </tbody> </table>	Activity	Student workload	Participation in lectures	5 hours	Participation in practical classes	30 hours	Preparation for practical classes and colloquiums	10 hours	Examination preparation	10 hours	Report preparation	-	Consultations	5 hours	Total number of hours	60 hours / 30	Amount of ECTS points per module	2ETCS
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B.Method of implementation <ul style="list-style-type: none"> • <u>classes in a lecture hall</u> • <u>clinical classes</u> • on-line classes/<i>blended learning</i> • classes outside the didactic room (in this case must specify where they are held) 																			
C. Amount of hours in accordance with the approved curriculum Lecture – 5h Exercise classes – 15h Clinical exercise classes – 15h																			
Didactic cycle 5th year, 10th semester																			
Subject status <ul style="list-style-type: none"> • mandatory / facultative 	Language of instruction Polish																		
Didactic methods <ul style="list-style-type: none"> • lectures • tests • demonstrations on patients • presentations • presentations with the use of results of additional examinations (ultrasound, computed tomography, radiography) • discussion about clinical cases – case study 	Forms and methods of passing and general grading criteria or examination requirements <hr style="border-top: 1px dashed black;"/> A. Method of passing <ul style="list-style-type: none"> • examination– 50 multiple choice questions • receiving a credit for practical exercise classes – evaluation of the ability of a complex examination of a geriatric patient* <p>* mark where applicable</p>																		

- clinical exercises in contact with the patient
- exercises will be completed within the framework of clinical blocks

B. Forms of passing:

- written examination: test
- receiving credit for practical exercise classes

C. Basic grading criteria

Are individually specified, correspond to the educational effects

Definition of preparatory subjects and initial requirements

Familiarity with anatomy, biochemistry, physiology, pharmacology, microbiology, pathophysiology, propedeutics of internal diseases, internal diseases, surgery, oncology

Subject aim

1. Familiarizing the students with principles and organization of clinical work, basics of ethics in the everyday work of a doctor.
2. Acquiring the abilities to perform a physical examination and a medical interview and becoming familiar with clinical terminology, medical way of thinking in the diagnostic process of elderly patients
3. Becoming familiar with and understanding the causes, symptoms, principles of diagnosis and therapeutic treatment with regards to the most common internal disease and their complications of elderly patients
4. Becoming familiar with and understanding prophylactic actions and ways of preventing the most common internal diseases of elderly patients
5. Pharmacological treatment and non-pharmacological treatment of selected internal diseases, principles of dietary and rehabilitative treatment of selected internal diseases – differences of geriatric treatment
6. Familiarizing the students with typical features of geriatric medicine (multiple morbidities, multidrug use, geriatric cascades and cycles, specificity of geriatric pharmacotherapy)

Curriculum

The curriculum includes the following topics:

- The distinctiveness and the basic features of geriatrics as a field of medicine – multiple morbidity, multidrug use, geriatric cascades and cycles
- The specificity of a geriatric patient, specificity of morbidity in the old age – atypical symptomatology of the course of diseases “the domino effect”
- Geriatric giants (immobility, instability, incontinence, and impaired intellect/memory).
- Rehabilitation of the elderly – principles
- Geriatric psychiatry – basic aspects
- Comprehensive geriatric care, interdisciplinary geriatric team
- Evaluation of the functional state of an elderly person, scales of geriatric assessment (ADL, IADL, MMS, Tinetti, MNS)
- Specificity of pharmacotherapy in old age – pharmacokinetics and pharmacodynamics of drugs in the ageing systems, iatrogenic syndromes, prescription cascades, harmful side effects and interactions of drugs in geriatrics, pharmacological correctness of the elderly
- Conducting analyses of clinical cases of geriatric patient based on knowledge regarding the specificity of morbidity and pharmacotherapy of the elderly

During the course of exercise classes the student in a practical way uses the knowledge gained during lectures. In addition the exercise classes are targeted at the practical aspects of individual diseases, supplementing the knowledge acquired during lectures. The student has the opportunity to accompany the doctors in their treatment of the geriatric patient from the moment of admission to the moment of release from hospital. The content of exercise classes supplements the content of lectures

Literature		
A. Basic literature:		
<ul style="list-style-type: none"> GERIATRIA WYBRANE ZAGADNIENIA 2010, Krzysztof Galus, Urban & Partner INTERNA Szczeklika 2019, Medycyna Praktyczna STANY NAGŁE Geriatria, Katarzyna Broczek, Krzysztof Jankowski, Medical Tribune Polska 2018 		
B. Supplementary literature		
<ul style="list-style-type: none"> INTERNA Harrisona. All volumes (I-III) Author: A. Fauci, E Braunwald, D. Kasper, S. Hauser, D. Longo, J. Jameson, J. Loscalzo, wydawnictwoCzelej Treatment guidelines for selected diseases of e.g. Polish Cardiac Society, Polish Diabetes Association and others Stany nagłe w geriatricii, 2020: B. Johnson, Edra Urban & Partner 		
Educational effects:		
Effect no	Description of an educational effect Number of educational effects	Type of grade Type of didactic classes
Knowledge:		
W1	E.W1 Knows the environmental and epidemiologic conditions of the most common diseases	Written examination, practical written examination, presentation, oral response. Discussion and solving clinical problems in groups. Demonstration of medical techniques and imaging examinations. Independent completion of medical procedures under simulated conditions L (Lecture) + CE (clinical exercise classes) SE (exercises under simulated conditions)
W2	E.W7 Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment regarding the most common internal diseases and their complications	
W3	E.W8 Knows and understands the course and symptoms of the ageing process and the principles of total geriatric assessment and interdisciplinary care regarding an elderly patient	
W4	E.W9 Understands the causes and knows the basic differences of the most common diseases of the elderly as well a principles of behavior in basic geriatric syndromes	
W5	E.W10 Knows and understands the basic principles of pharmacotherapy of diseases of the elderly	
W6	E.W11 Knows and understands the risks connected with the hospitalization of the elderly	
W7	E.W12 Knows and understands the basic principles of organizing care for the elderly and the burdens of a caretaker of the elderly	
W8	E.W19 Knows the specificity of mental disorders and their treatment in old age	
W9	E.W14 Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment of the most common diseases of the nervous system, including: a) Dementias, especially Alzheimer's disease, frontal dementia, vascular dementia, diseases of the basal ganglia, especially Parkinson's disease	
Abilities:		
U1	E.U13 Evaluates and describes the somatic and mental condition of the patient	Written examination, practical written examination, presentation, oral response. Discussion and solving clinical problems in groups.
U2	E.U16 Plans diagnostic, therapeutic and preventive treatment	

U3	E.U17 Conducts an analysis of possible harmful side effects of drugs and of the interactions between them	Demonstration of medical techniques and imaging examinations. Independent completion of medical procedures under simulated conditions L (Lecture) + CE (clinical exercise classes) SE (exercises under simulated conditions) Seminars	
U4	E.U18 Suggests an individual approach to the therapeutic guidelines in force as well as other treatment methods in face of an unsuccessful or contradictive standard therapy		
U5	E.U20 Qualifies a patient for home-based or hospital treatment		
U6	E.U21 Diagnoses conditions, in which the continuation of life, functional condition or preferences of patient limit the treatment in accordance with the guidelines defined for a specific disease		
U7	E.U22 Provides a functional assessment of a patient with a disability		
U8	E.U24 Interprets laboratory examinations and identifies causes for deviations		
U9	E.U25 Can use nutritional treatment taking into account intra-intestinal nutrition and extra-intestinal nutrition		
U10	E.U32 Plans specialized consultations		
U11	E.U35 Evaluates bedsores and applies the appropriate bandages		
U12	E.U37 Diagnoses agony and declares death		
U13	E.U38 Maintains the patient's medical documentation		
Social competencies:			
K1	Is aware of his own diagnostic and therapeutic limitations, educational needs, plans his educational activities		Clinical exercise classes Lectures Seminars
K2	Can work in a professional team, in a multi-cultural and multi-national community		
K3	Can establish and maintain a deep, respectful contact with the patient		
K4	Protects patient confidentiality and all patient rights		
Criteria of evaluating educational effects			
Educational effect	For a grade of 3	For a grade of 4	For a grade of 5
W1-W9 U1-U13 K1-K4	The final test consists of 50 multiple choice questions In order to receive a credit for the examination a student must complete at least 61% of it correctly Insufficient (2.0) – below 61% Sufficient (3.0) – 61-69% Satisfactory (3.5) – 70-76% Good (4.0) – 77-84% Very Good (4.5) – 85-92% Excellent (5.0) – 93-100% The practical examination is based on taking case history, examining the patient, suggesting diagnostic and therapeutic treatment. It is required to receive credit for practical classes to be allowed to take the final test		