



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT)

### General Information

| Code                             |  | Title | Geriatrics  |
|----------------------------------|--|-------|---|
| Module type                      |  |       | <i>Obligatory</i>   |
| Faculty                          |  |       | <i>Faculty of Medicine (WLA)</i>  |
| Field of study                   |  |       | <i>medicine ( KLD )</i>   |
| Major                            |  |       | <i>Not applicable</i>   |
| Level of study                   |  |       | <i>II level/ long-cycle (S2J)</i>   |
| Mode of study                    |  |       | <i>intramural</i>   |
| Year of study                    |  |       | <i>IV</i>   |
| Semester                         |  |       | <i>block system</i>   |
| ECTS points                      |  |       | <i>2</i>  |
| Types of training                |  |       | <i>Seminars 2 h /practical classes 16h (20 hours in total)</i>  |
| Tutor responsible for the module |  |       | <i>dr Jacek Flicinski</i>   |
| Tutors conducting the subject    |  |       | <i>prof. Marek Brzosko/brzoskom@pum.edu.pl,<br/>dr Lidia Ostanek / lidia55@o2.pl,<br/>dr Iwona Brzosko/ brzoskoi@pum.edu.pl,<br/>dr Hanna Przepiera-Będzak hannapb@pum.edu.pl,<br/>dr Jacek Flicinski/ jacek@plum.edu.pl</i>          |
| WWW                              |  |       | <a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/klinika-reumatologii-i-chorob-wewnetrznych">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/klinika-reumatologii-i-chorob-wewnetrznych</a> |
| Language                         |  |       | Polish, English,  |

### Detailed information

|                                      |             |   |
|--------------------------------------|-------------|---|
| Module objectives                    |             | <p>The aim of “Geriatrics” :</p> <ul style="list-style-type: none"> <li>- to prepare a student for comprehensive patient’s care of the elderly people.</li> <li>-to acquaint a student with the typical features of geriatric medicine (multidisease, Polypragmasy and the specifics of geriatric pharmacotherapy).</li> <li>- to show ageing of the human body in terms of diverse diagnoses and therapy.</li> </ul> |
| Prerequisite /essential requirements | Knowledge   | <i>the mechanisms of aging - physiological and pathophysiological basis of symptoms.</i>  |
|                                      | Skills      | <i>The ability to establish verbal and nonverbal communication with the elderly patient.</i>  |
|                                      | Competences | <i>Awareness of: patient’s good; patient’s rights and medical confidentiality;<br/>Thoughtfulness to the need of self-education.</i>  |

| Description of the learning outcomes for the subject /module |   |   |   |
|--|---|---|---|
| Number of learning outcome                                   | Student, who has passed the (subject)<br>Knows /is able to /can:  | SYMBOL (referring the standards)<br>EKK | Method of verification of learning outcomes |
| KL2JPW01   | knows and understands the course and symptoms of senescence as well as complex geriatric evaluation and interdisciplinary care with regard to elderly people                                    | K_E.W8                                  | Credit (oral form)                          |
| KL2JPW02   | understands basic differences occurring in the course of most frequent diseases in elderly persons in comparison with younger population and knows the management of common geriatric syndromes | K_E.W9                                  | Credit (oral form)                          |
| KL2JPW03   | knows and understands the basic rules of pharmacotherapy of diseases in elderly people  | K_E.W10                                 | Credit (oral form)                          |
| KL2JPW04   | knows and understands threats connected with hospitalization of the elderly people  | K_E.W11                                 | Credit (oral form)                          |
| KL2JPW05   | knows and understands basic rules of the care of elderly people and understands burden put on caregivers of elderly person  | K_E.W12                                 | Credit (oral form)                          |
| KL2JPW06   | knows and distinguishes basic signs of neurological syndromes of elderly person   | K_E.W13                                 | Credit (oral form)                          |
| KL2JPW07   | knows and recognizes causes, symptoms, diagnoses and therapeutic procedures with regard to most frequent nervous system diseases, incl.:  | K_E.W14                                 | Credit (oral form)                          |

|          |  |         |                    |
|----------|--|---------|--------------------|
|          | a) dementia, in particular Alzheimer's disease, frontal dementia, angiogenic dementia and other dementia-related syndromes   |         |                    |
| KL2JPW08 | knows and understands the concepts of physical disability and handicap   | K_E.W30 | Credit (oral form) |
| KL2JPW09 | knows importance and methods used in medical rehabilitation  | K_E.W31 | Credit (oral form) |
| KL2JPU01 | describes changes to organism function in the case of homeostatic disturbance, in particular, determines integrated response to exercise, exposure to high and low temperature, blood or water loss, sudden upright position, transition from sleep to awaking | K_B.U7  | Credit (oral form) |
| KL2JPU02 | selects drugs in proper dosages to correct pathological phenomena in organisms and particular organs   | K_C.U14 | Credit (oral form) |
| KL2JPU03 | chooses treatment that minimizes social consequences for patients  | K_D.U3  | Credit (oral form) |
| KL2JPU04 | communicates with colleagues giving constructive feedback and support  | K_D.U11 | Credit (oral form) |
| KL2JPU05 | evaluates and describes somatic and mental state of patients   | K_E.U13 | Credit (oral form) |
| KL2JPU06 | analyzes possible adverse effects of certain drugs and interactions between them   | K_E.U17 | Credit (oral form) |
| KL2JPU07 | suggests individualization of applicable therapeutic guidelines and other treatment methods in case of ineffectiveness or contra-indications with regard to standard treatment   | K_E.U18 | Credit (oral form) |
| KL2JPU08 | evaluates functionality of disabled patients   | K_E.U22 | Credit (oral form) |
| KL2JPU09 | describes demographic structure of population and evaluates health issues on such a basis  | K_G.U1  | Credit (oral form) |

**Matrix presenting the learning outcomes of the subject/module in relation to the form of classes**

| Number of learning outcome | Student, who has passed the (subject)<br>Knows /is able to /can: | Types of training |         |                    |              |                  |         |                   |       |
|----------------------------|--|-------------------|---------|--------------------|--------------|------------------|---------|-------------------|-------|
|                            |  | Lecture           | Seminar | Laboratory classes | Project work | Clinical classes | Classes | Practical classes | Other |
| KL2JPW01                   | knows and understands the course                                 |                   | X       |                    |              | X                |         |                   |       |
| KL2JPW02                   | understands basic differences                                    |                   | X       |                    |              | X                |         |                   |       |
| KL2JPW03                   | knows and understands the basic rules                            |                   | X       |                    |              | X                |         |                   |       |
| KL2JPW04                   | knows and understands threats                                    |                   | X       |                    |              | X                |         |                   |       |
| KL2JPW05                   | knows and understands basic rules of                             |                   |         |                    |              | X                |         |                   |       |
| KL2JPW06                   | knows and distinguishes basic signs                              |                   |         |                    |              | X                |         |                   |       |
| KL2JPW07                   | knows and recognizes causes,                                     |                   |         |                    |              | X                |         |                   |       |

|          |                                       |  |   |  |  |   |  |  |  |
|----------|---------------------------------------|--|---|--|--|---|--|--|--|
| KL2JPW08 | knows and understands the concepts    |  |   |  |  | X |  |  |  |
| KL2JPW09 | knows importance and methods used     |  |   |  |  | X |  |  |  |
| KL2JPU01 | describes changes to organism         |  | X |  |  | X |  |  |  |
| KL2JPU02 | selects drugs in proper dosages to    |  | X |  |  | X |  |  |  |
| KL2JPU03 | chooses treatment to minimizes social |  | X |  |  | X |  |  |  |
| KL2JPU04 | communicates with colleagues giving   |  | X |  |  | X |  |  |  |
| KL2JPU05 | evaluates and describes somatic and   |  |   |  |  | X |  |  |  |
| KL2JPU06 | analyzes possible adverse effects of  |  |   |  |  | X |  |  |  |
| KL2JPU07 | suggests individualization of         |  |   |  |  | X |  |  |  |
| KL2JPU08 | evaluates functionality of disabled   |  |   |  |  | X |  |  |  |
| KL2JPU09 | describes demographic structure of    |  |   |  |  | X |  |  |  |

| Module (subject) contents  |   |                                 |         |
|--|---|---------------------------------|---------|
| Symbol of teaching programme   | Content of teaching programme   | References to learning outcomes |         |
| TK_01  | Separateness in terms of autonomy and basic features of geriatric medicine: polymorbidity, polypharmacotherapy  | K_E.W8<br>K_E.W9                |         |
| TK_02  | Specific nature of geriatric patient; specifics of morbidity in elderly - an unusual course of disease symptomatology, "domino effect”  | K_E.W15                         |         |
| TK_03  | Geriatrics syndromes (dementia, depression, disorders of locomotion and fallings, permanent and severe urine/stool incontinence)  | K_E.W14                         |         |
| TK_04  | Principles of rehabilitation of the elderly people  | K_E.W31<br>K_E.U13; K_D.U11     |         |
| TK_05  | Principles of psychogeriatrics  | K_E.W30<br>K_E.W14              |         |
| TK_06  | Comprehensive geriatric care, multidisciplinary geriatric team  | K_E.W12                         |         |
| TK_07  | Assessment of the functional status of elderly, geriatric assessment tools (ADL, IADL, MMSE, Tinetti, MNA)  | K_E.W16                         |         |
| TK_08  | The specific of pharmacotherapy - the pharmacokinetics and pharmacodynamics of the drug in an ageing system, iatrogenic syndromes; prescription cascade, side effects and drug interactions in geriatrics | K_E.W10                         |         |
| TK_09  | Principles of geriatric pharmacotherapy   | K_E.W9                          |         |
| TK_10  | Analysis of pharmacotherapy in elderly people   | K_E.W10                         |         |
| References and educational resources   |   |                                 |         |
| 1. Williams B.A.: Current diagnosis & treatment: geriatrics, 2e. McGraw-Hill Education 2014<br><a href="http://accessmedicine.mhmedical.com/book.aspx?bookid=953">http://accessmedicine.mhmedical.com/book.aspx?bookid=953</a> |   |                                 |         |
| 2. Office Care Geriatrics - Thomas C. Rosenthal, Mark E. Williams, Bruce J. Naughton.  |   |                                 |         |
|  |   |                                 |         |
| Form of student’s activity<br>(in-class participation; activeness, produce a report, etc.)   |   | Workload [h]                    |         |
|  |   | Tutor                           | Student |

|  |          |    |  |
|--|----------|----|--|
| activities that require direct participation of tutors | 16       | 16 |  |
| Preparation to the classes                             |          | 5  |  |
| Reading of the indicated/specified literature          |          | 10 |  |
| Report writing/project making                          |          |    |  |
| Time spent to prepare for the exam                     |          |    |  |
| Other  |          |    |  |
|  |          |    |  |
| Student's workload in total                            |          | 31 |  |
| <b>ECTS points for the subject</b>                     | <b>2</b> |    |  |
| <b>Remarks at the end</b>                              |          |    |  |
|  |          |    |  |

Methods of assessment, for example:

E – exam- problem resolving

S – verifying of practical skills

R – report

D – discussion

P – presentation

Others-