| Syllabus 2020/2021 | | | |
|---|---|---|---|
| Description of the course | | | |
| Module/Course | Methods in evidence based medicine. | Group of detailed education results | |
| | | Group code<br>B<br><br>G<br><br>D | Group name<br>Scientific basis of medicine<br><br>Computer science in medicine<br><br>Public health with elements of informatics |
| Faculty | Faculty of Medicine | | |
| Major | medicine | | |
| Specialties | Not applicable | | |
| Level of studies | Uniform magister studies X *<br>1st degree studies ☐<br>2nd degree studies ☐<br>3rd degree studies ☐<br>postgraduate studies ☐ | | |
| Form of studies | X full-time X part-time | | |
| Year of studies | V | Semester | X Winter or<br>X Summer |
| Type of course | ☐ obligatory<br>☐ limited choice<br>X free choice / elective | | |
| Course | X major ☐ basic | | |
| Language of instruction | ☐ Polish X English ☐ other | | |

* mark ☐ with an X

**Amount 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 | Foreign language Course (FLC) | Physical Education obligatory | Vocational Practice (VP) | Self-Study (Student's own work) | E-learning (EL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Winter Semester | | | | | | | | | | | | | | |
| | | | | 20 | | | | | | | | | | |
| Summer Semester | | | | | | | | | | | | | | |
| | | | | 20 | | | | | | | | | | |

| TOTAL per year: | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 20 | | | | | | | | |

Educational objectives (max. 6 items)
C1. Background in Evidence Based Medicine
C2. Teaching students about Categories of EBM
C3. Preparation of Knowledge about design of EBM
C4. Acquisitions of skills by students to independently search for Design model of EBM

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* |
|---|---|---|---|---|
| C1 | DW3<br>GW5 | Student knows and describes the EBM: goal, to whom, why we do it | Brainstorm. Presentation and final report | MC |
| C2 | GW13<br>GW4 | Student knows and describes elements of EBM | | |
| C3 | DW2 | Student knows and uses data from EM databases and pubmed | | |
| C4 | BW26-27 | Student knows how to draw conclusions from literature and source knowledge – to build PICO of EBM | | |
| C5 | GW2 | Student knows the principles of databases and e-health | | |
| C6 | BU10 | Student can use the Medical Database M4.0 | Assessment of practical skills | MC |
| C7 | DU10-12 | Student can design basic PICO and draw conclusions and recommendations from the research. | | |
| C8 | BU11-12 | Student can search in sources of databases. | | |

** 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: +++++
Skills: ++++

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

| Student's workload (class participation, activity, preparation, etc.) | Student Workload (h) |
|---|---|
| 1. Contact hours: | 20 |
| 2. Student's own work (self-study): | 6 |
| Total student's workload | 26 |

| | |
|---|---|
| ECTS points for module/course | 1,0 |
| 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)

1. Introduction in Evidence Based Medicine
2. EBM for Clinician
3. Databases in EBM
4. Construction EBM
5. EBM Process
6. EBM Data from World and Europe
7. Design EBM Model – Test

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

1. **http://www.nogracias.eu/wp-content/uploads/2011/06/Essential_Evidence_based_Medicine.pdf**
2. http://www.mazums.ac.ir/Dorsapax/Data/Sub_30/File/Fundamental.pdf

**Additional literature and other materials** (no more than 3 items)

1. http://www.bandolier.org.uk/painres/download/whatis/ebm.pdf
2. http://medind.nic.in/iad/t02/i2/iadt02i2p96.pdf

**Didactic resources requirements** (e.g. laboratory, multimedia projector, other...)
Seminar room, multimedia projector, Medical 4.0 – demo database for geriatric patients

**Preliminary conditions** (minimum requirements to be met by the student before starting the module/course) Basic knowledge regarding medical informatics & public health

**Conditions to receive credit for the course** (specify the form, criteria 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).
Each absence must be made up, including rector's days or dean's hours.

| Grade: | Criteria for course |
|---|---|
| Very Good (5.0) | Student easy discusses the subject of aging, health and pathology of aging, differences between aging and multimorbidity, indicates factors that favor aging in health.<br>Student prepares a chosen presentation.<br>Student uses literature outside the list. |
| Good Plus (4.5) | Student is able to solve small task about EBM topic during a laboratory.<br>Student prepares a chosen presentation.<br>Student uses literature outside the list.<br>Student correctly uses the topic of course. |
| Good (4.0) | Student correctly uses the topic of course. He/she prepares presentation; uses literature from the list only. |
| Satisfactory Plus (3.5) | Student correctly uses the topic of course. He/she prepares presentation. |
| Satisfactory (3.0) | Basic knowledge of aging in health system. |

| | |
|---|---|
| **Grade:** | **Criteria for exam (if applicable)** |
| Very Good (5.0) | |
| Good Plus (4.5) | |
| Good (4.0) | |
| Satisfactory Plus (3.5) | |
| Satisfactory (3.0) | |

| | |
|---|---|
| **Name of unit teaching course:** | **Katedra i Klinika Geriatrii (Departament of Geriatrics)** |
| Address | **M. Curie-Skłodowskiej 66, 50-369 Wrocław** |
| Phone | **71 784 24 28** |
| E-mail | **magdalena.ciechanowicz@umed.wroc.pl; kge@usk.wroc.pl** |

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|---|---|
| **Person responsible for course:** | **prof. dr hab. Karol Kozak** |
| Phone | **71 784 24 28** |
| E-mail | **karol.kozak@umed.wroc.pl** |

| *List of persons conducting specific classes:* | *degree/scientific or professional title* | *Discipline* | *Performer profession* | *Form of classes* |
|---|---|---|---|---|
| **Karol Kozak** | Prof. Dr habil. | medicine | | MC |

**Date of Syllabus development**

20.05.2020 r.

**Syllabus developed by**

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**Signature of Head of teaching unit**

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

Signature of Faculty Dean

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Wrocław Medical University
Faculty of Medicine
prof. Beata Sobieszczańska, PhD