

Course description

Part 1

| General information about the course | | | |
|--|--|------------------------------|--|
| 1. Major of study: medicine | | 2. Study level: unified MSc | |
| | | 3. Form of study: intramural | |
| 4. Year: III | | 5. Semester: V | |
| 6. Course name: Evidence Based Medicine (EBM) | | | |
| 7. Course status: required | | | |
| 8. Course objectives | | | |
| 1. Understand the general concept of EBM. | | | |
| 2. Understand the problems of implementing EBM, and their possible solutions. | | | |
| 3. Understand the clinical effectiveness of a procedure, and the cost of implementation. | | | |
| 4. Understand the concept of evidence. | | | |
| 5. Understand the principles of statistics in EBM. | | | |
| 6. Understand the problems behind carrying out a search of the literature from databases such as Cochrane and Medline. | | | |
| 7. Understand the different types of literature reviews. | | | |
| 8. Manage to identify possible problems implementing EBM at the personal level, practice, and patients' level. | | | |
| 9. Knows how to seek for evidence, has the ability to develop an answerable question, and strategy to answer the question. | | | |
| 10. Knows how to critically appraise and use the evidence. | | | |
| 11. Knows how to define and calculate odds ratios, absolute risk, relative risk, NNT, NNH, NNS. | | | |
| 12. Knows how to critically appraise literature reviews, RCTs. | | | |
| 13. Be able to ask a focused research question and to carry out a literature search. | | | |
| 14. Be able to search the Medline and Cochrane database to answer to the clinical query. | | | |
| Learning outcomes / reference to learning outcomes indicated in (underline as appropriate): education standards (Regulation of the Ministry of Science and Higher Education) / Resolution of the Senate of the Medical University of Silesia (indicate terms specified in education standards / signs of learning outcomes approved by the Resolution of the Senate of the Medical University of Silesia) For knowledge student knows and understands B.W.29, D.W.23 For skills student can do: B.U13, D.U.16, D.U.17 For social competencies student is ready to: | | | |
| 1. Use evidence-based information | | | |
| 2. Promote healthy medical interventions | | | |
| 3. Formulate opinions on different topics in medicine | | | |
| 9. Number of hours for the course | | 10 | 10. Number of ECTS points for the course |
| | | | 1 |
| 11. Form of evaluation: credit | | | |
| 12. Methods of verification and evaluation of learning outcomes | | | |
| Learning outcomes | Methods of verification | | Methods of evaluation*/ credit |
| Knowledge | Open discussion, solving common medical problems | | * |
| Skills | Open discussion, solving common medical problems | | * |
| Competencies | Observation | | * |

* For exams and grade credits the following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved