

## Study Requirements Foundations of Evidence Based Medicine

The aim of this subject is to make students to be familiar with the methodology of evidence based medicine (EBM), and its practical application. EBM methodology will help students to formulate a clear clinical question from a patient's problem, to search the literature for relevant clinical articles, to evaluate the evidence for its validity and usefulness, and to implement useful findings into clinical practice. In the framework of course beside the theoretical aspects, the students have a chance to participate actively in the systematic search of evidence, critical appraisal, and practical application.

Foundations of Evidence Based Medicine is taught by 2 hours interactive lecture per week. **The participation on at least 7 lectures is a criterion of the completion of the course.** Presences are recorded on the "Attendance" interface of the Coospace scene belonging to the course.

The PowerPoint presentation of the lectures in pdf form will be uploaded to the "Educational materials" folder of the Coospace. **A control test containing 5 questions** will belong to each lecture. Completing the tests will help you to prepare for the exam. **Students must complete these tests by the end of the 13<sup>th</sup> week of the semester (May 5, 2023).** A test can be fulfilled several times (up to 3 times), the correct (100%) performance per each test is a condition of signing the semester.

**The students' knowledge will be checked by a written demonstration (30 test questions) at the time of the last lecture (14<sup>th</sup> week – May 8, 2023).**

Calculation of the grade (demonstration/exam):

- 27-30 points – excellent (5)
- 24-26 points – good (4)
- 20-23 points – satisfactory (3)
- 18-20 points – passed (2)
- 17 points and lower – failed (1)

On the base of the result of the written demonstration the teacher may exempt a student from exam by offering a grade. Students must achieve at least satisfactory (3) as grade-offer (SZTE TVSZ 9.3. Grade-offer can only apply to "excellent" or "good" or „satisfactory" evaluations in the case of applying the five-grade scale.) Those students who do not reach the accepted grade OR do not accept the offered grade, can do the exam (written test) during the exam period.

**Type of examination:** evaluation (five grade)

### Criteria of the completion and grade-offer of the course:

1. Participation at lectures minimum 7 times.
2. The correct fulfilment of all control tests. The deadline is May 5, 2023

**Educational affairs** can be managed by email. Telephone administration is NOT possible. The educational advisor is Dr. Zsuzsanna Máté; email: [mate.zsuzsanna@med.u-szeged.hu](mailto:mate.zsuzsanna@med.u-szeged.hu). Emails should contain the full name of the student and faculty, if any of these data is missing then no reply will be.

**Mandatory reading list:**

- “Educational materials for medical students” available from CooSpace (lecture slides, other documents).
- Masic I., Miokovic M., Muhamedagic B. Evidence Based Medicine – New Approaches and Challenges. Acta Inform Med. 2008;16(4):219–225. doi: 10.5455/aim.2008.16.219-225
- Akobeng AK. Principles of evidence based medicine. Arch Dis Child 2005;90:837–840. doi: 10.1136/adc.2005.071761

**Recommended reading list:**

- Sharon E. Straus, Paul Glasziou, W. Scott Richardson, R. Brian Haynes: Evidence-Based Medicine: How to Practice and Teach It. Churchill Livingstone: Edinburgh, 2010.
- IOM (Institute of Medicine). 2011. Clinical Practice Guidelines We Can Trust. Washington, DC: The National Academies Press.  
[https://www.ncbi.nlm.nih.gov/books/NBK209539/pdf/Bookshelf\\_NBK209539.pdf](https://www.ncbi.nlm.nih.gov/books/NBK209539/pdf/Bookshelf_NBK209539.pdf)

**The website of the Department of Public Health:** <http://web.med.u-szeged.hu/puhe>

Szeged, 3 February 2023

Prof. Dr. Edit Paulik  
Head of Department