<table>
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<tbody>
<tr>
<td>Workload:</td>
<td>ECTS points:</td>
<td>Semester:</td>
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<tr>
<td>300 hours, made up of 108 contact hours 192 self-study hours</td>
<td>10</td>
<td>Semester 3 or 5: Semester 3:</td>
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<tr>
<td>Module type:</td>
<td>Level:</td>
<td>Relevance of module: Health science or nursing programmes</td>
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<tr>
<td>Compulsory module</td>
<td>Bachelor</td>
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1 Learning outcomes: Students have acquired the knowledge and techniques needed to understand and assess the criteria and requirements for high-quality, evidence-based and needs-based health care. They are familiar with the concept of evidence-based medicine (EBM), which is guided by the best possible external evidence resulting from systematic research, on the one hand, and by individual clinical expertise as well as patient needs and preferences, on the other. They can apply the fundamental principles of evidence-based methodology and understand and interpret evidence-based new knowledge. They can critically reflect upon how care decisions are made in clinical practice and within a system, in particular when studies provide little or no evidence to support these decisions.

2 Module content:
- Concepts of and history of evidence-based medicine (EBM) and evidence-based nursing (EBN), Cochrane Collaboration and quality assurance institutions
- The discourse on EBM in the contexts of health policy and health economics
- Clinical research and clinical decision-making processes
- Formulating questions of clinical or practical relevance
- Systematic research in electronic databases
- Critical appraisal of secondary studies (systematic reviews and health technology assessment reports) and primary studies (experimental and observational studies)
- Generation of new knowledge using qualitative studies
- Guideline development process as well as acceptance and implementation of guideline-based healthcare structures

3 Teaching and learning methods: 2 hours of lectures and 8 hours of practice classes per week

4 Module language: English

5 Module eligibility requirements:
- Required: PG1084 Academic Reasoning and Techniques in Health Sciences
- Recommended: none

6 Type of examination: Assignment or portfolio

7 Methods of assessment: Graded

8 Requirements for ECTS points:
- Portfolio on the methodical elements
- Students must pass module examination

9 Comments: Module coordinator: Professor of Health Technology Assessment and Health System Design