

<b>Module title</b>		<b>Abbreviation</b>
Epidemiological methods and evidence-based medicine		03-KFE-04-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Institute of Clinical Epidemiology and Biometry (ICE-B)		Faculty of Medicine
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
6	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
Further aspects of study design; analysis of the relationship between risk factors and outcome; fundamental concept of evidence-based medicine; systematic reviews and meta-analyses; aims of clinical guidelines.		
<b>Intended learning outcomes</b>		
In further discussions of design aspects, the students learn how to purposefully use methodological elements to answer research questions and to assure the quality of study data. They perform numerical analyses to quantify the relationship between risk factor and outcome in the given study context and assess the evidence arising from the data. The students assess evidence from several sources. They are familiar with methods of systematic review of existing evidence and meta-analysis. They have developed a background knowledge about the development of clinical guidelines.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + S (4)		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
oral examination of one candidate each (approx. 45 minutes) creditable for bonus		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
180 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Master's degree (1 major) Clinical Research and Epidemiology (2015)		