

<b>Module title</b>		<b>Abbreviation</b>
General basics of medicine: research methodology and evaluation		o6-SH-MedWiMe-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Special Education III		Chair of Special Education III: Speech and Language Pathology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Basics of evidence-based medicine, research methodology for evaluation questions, study designs and their validity (intervention and observational studies), epidemiological parameters, parameters for determining the quality of diagnostic procedures, basics of descriptive and inferential statistics (hypothesis testing, logics of significance tests).		
<b>Intended learning outcomes</b>		
Professional competence: The students acquire basic knowledge of the concept of evidence-based medicine. They are able to describe methods of testing the effectiveness of medical measures (evaluation) and know which research methods are used in evaluation studies. They know the different types of studies and their validity as well as the parameters used to evaluate studies. They are able to give a basic description of the logic of significance tests. They can describe and correctly interpret quality criteria of evaluation studies. Implementation competence: The students can evaluate the validity of studies published in scientific journals. Self-competence: The students evaluate advantages and points of criticism of evidence-based medicine.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (2)		
<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)		
written examination (approx. 60 minutes) or term paper (approx. 12 pages) or presentation (approx. 20 minutes) with written elaboration (approx. 6 pages) or oral examination of one candidate each (approx. 15 minutes) Language of assessment: German and/or English		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Academic Speech Therapy (2015)		