

Module title		Abbreviation
Technology in the context of visual impairment and blindness		o6-B-ASTE-VQ-212-mo1
Module coordinator		Module offered by
holder of the Chair of Special Education VI		
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
<p>Universal design; accessibility and assistive technologies in the pedagogy of visual impairments and blindness (VIB); basic functionalities of typical assistive technologies in the context of VIB; usage of easily accessible digital media to increase the accessibility of learning content for learners with VIB; approaches and strategies to establish the competences in the handling of digital media and assistive technology of the different pedagogical fields of action; troubleshooting in the context of digital media and technology; technology-supported didactic methods; possibilities and limitations in the usage of digital media and technologies; screen reader technology; basics of graphical user interfaces; disability-specific input and output of data; mobile devices in the context of visual impairments; basics of text processing and spreadsheet.</p>		
Intended learning outcomes		
<p>Students have a basic orientation knowledge concerning the limitations and possibilities of technology in the context of disability and are able to position themselves critically; they are able to create easily accessible digital media and analyse and evaluate the accessibility of digital documents; they are able to explain typical assistive technologies for visually impaired people regarding their functionality and demonstrate their use; they are able to give learners and their surroundings advice about the choice of appropriate technology and justify their recommendation; they are able to plan, execute, and evaluate individualised and group-oriented lesson units on the use of assistive technology; they know strategies for solving typical challenges regarding the establishment of functionality and compatibility of technologies and are able to analyse respective practical problems; they understand the basic functionality of a graphical user interface; they understand the functionality of the screen reader technology and are able to analyse aspects of the practical application in a visually oriented manner.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
S (2) + Ü (1)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
1) written examination (approx. 60 minutes) or 2) presentation (approx. 20 minutes) with term paper (approx. 8 pages) or 3) oral examination of one candidate each (approx. 20 minutes) creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 98a I Nr. 3 § 107a I Nr. 2		
Module appears in		

First state examination for the teaching degree Sonderpädagogik Special pedagogy in the context of visual impairment and blindness (2021)

First state examination for the teaching degree Sonderpädagogik Special pedagogy in the context of visual impairment and blindness (Minor, 2021)