

<b>Module title</b>		<b>Abbreviation</b>
<b>FOKUS Research Module Biophysics - Biophysical Measurement Technology in Medical Science</b>		11-FM-BMT-092-m01
<b>Module coordinator</b>		<b>Module offered by</b>
chairperson of examination committee		Faculty of Physics and Astronomy
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
Specific and advanced knowledge of independent scientific work in a current research area, especially in the discipline of Biophysics - biophysical metrology in medicine, reproduction of knowledge, acquisition of social and methodological competencies.		
<b>Intended learning outcomes</b>		
The students have special and advanced knowledge of independent scientific work in a current research area, especially in the field of Biophysics and biophysical measuring techniques in medicine, and are able to reproduce the acquired knowledge, to apply the acquired methods and to summarise a sub-area of the current research area in an oral presentation.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
Biophysikalische Messtechnik in der Medizin (Biophysical Measurement Technology in Medical Science): V (3 weekly contact hours) + Ü/P (1 weekly contact hour), German or English, once a year (winter semester) Kompaktseminar Biophysik - Biophysikalische Messtechnik in der Medizin (Block Taught Seminar Biophysics - Biophysical Measurement Technology in Medical Science): S (2 weekly contact hours), German or English, details on availability to be announced (block taught seminar (3 days), usually held during semester break)		
<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)		
This module has the following assessment components 1. Topics covered in lectures and exercises: written examination (approx. 90 minutes) or talk (approx. 30 minutes) or oral examination of one candidate each or oral examination in groups (approx. 30 minutes) or project report (approx. 8 pages) 2. Seminar: talk (approx. 30 to 45 minutes)  Assessment components 1 and 2 will be offered in German or English. Students must register for assessment components 1 and 2 online (details to be announced). Assessment component 1 will be offered once a year in the winter semester; details on when assessment component 2 will be offered to be announced. To pass this module, students must pass both assessment component 1 and assessment component 2.		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</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) FOKUS Physics (2010) Master's degree (1 major) FOKUS Physics (2011)		

