## Module description

Module title					Abbreviation
Principles of two- and threedimensional Röntgen imaging					11-ZDR-111-m01
Module coordinator				Module offered by	
Managing Director of the Institute of Applied Pl			oplied Physics	Faculty of Physics and Astronomy	
ECTS	ECTS Method of grading		Only after succ. compl. of module(s)		
6	nume	rical grade			
Duration		Module level	Other prerequisites		
1 semester		graduate	Certain prerequisites must be met to qualify for admission to as- sessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be con- sidered a declaration of will to seek admission to assessment. If stu- dents have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for as- sessment into effect. Students who meet all prerequisites will be admit- ted to assessment in the current or in the subsequent semester. For as- sessment at a later date, students will have to obtain the qualification for admission to assessment anew.		
Conten	ts				
project tractior charact Intende	ion, For n, visua erisation ed lear	urier reconstruction, itera lisation, ). Application on, metrology, biology, <b>ning outcomes</b>	ative methods). Imag s of X-ray imaging in .). Radiation protection	e processing (image the industrial sector on and biological rac	uction algorithms (filtered rear data pre-processing, feature ex- (component testing, material diation effect (dose,). vith matter. They know imaging
					n areas of these methods.
Course	<b>S</b> (type, n	umber of weekly contact hours,	language — if other than Ger	rman)	
V + R (no information on SWS (weekly contact hours) and course language available)					
		<b>sessment</b> (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether
groups project (approx Assess and wil	(appro report k. 30 m ment o l be an	x. 30 minutes per candic (approx. 8 to 10 pages, t inutes) ffered: When and how of	late, for modules with ime to complete: 1 to ten assessment will l	n less than 4 ECTS cr 4 weeks) or d) prese pe offered depends o	date each or oral examination in redits approx. 20 minutes) or c) entation/seminar presentation on the method of assessment 3 ASPO (general academic and
Allocat	ion of p	olaces			
Additional information					
Worklo	ad				
			-		
 Taash'		_			
 Teachir	ng cycl	e			
		e LPOI (examination regulation		<u>````</u>	

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## Module appears in

Bachelor's degree (1 major) Physics (2010) Bachelor's degree (1 major) Physics (2012) Bachelor's degree (1 major) Nanostructure Technology (2010) Bachelor's degree (1 major) Nanostructure Technology (2012) Master's degree (1 major) Physics (2010) Master's degree (1 major) Physics (2011) Master's degree (1 major) Nanostructure Technology (2010) Master's degree (1 major) Nanostructure Technology (2010) Master's degree (1 major) FOKUS Physics (2010) Master's degree (1 major) FOKUS Physics (2011) Master's degree (1 major) FOKUS Physics (2011) Master's degree (1 major) FOKUS Physics (2012) Master's degree (1 major) FOKUS Physics (2006)

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