Module description

Module title					Abbreviation
FOKUS Research Module High Energy Astrophysics					11-FM-HAS-111-m01
Module coordinator				Module offered by	
chairperson of examination committee			Faculty of Physics and Astronomy		
ECTS Method of grading		Only after succ. compl. of module(s)			
10 numerical grade					
Duration Module level		Module level	Other prerequisites		
1 semester		graduate	11-A4, 11-KET		
Contents					
Specific and advanced knowledge for independent scientific work in the research area of High-Energy Astrophy- sics.					
Intended learning outcomes					
The students have special and advanced knowledge of independent scientific work in the field of High-Energy Astrophysics. They have knowledge of cosmology and/or Plasma Astrophysics (cf. modules 11-AKM, 11-APL). They are able to reproduce and summarise the acquired knowledge in a seminar presentation.					
Courses (type, number of weekly contact hours, language — if other than German)					
Plasma-Astrophysik (Plasma-Astrophysics): V (3 weekly contact hours) + Ü/P (1 weekly contact hour), German or English, once a year (summer semester) Kosmologie (Cosmology): V (3 weekly contact hours) + Ü/P (1 weekly contact hour), German or English Kompaktseminar Hochenergie-Astrophysik (Block Taught Seminar High Energy Astrophysics): S (2 weekly contact hours), German or English, details on availability to be announced (block taught seminar (3 days), usually held during semester break)					
Method of assessment (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). Details on when assessment component 2 will be offered to be announced.					
Lectures and exercises will cover either plasma-astrophysics or cosmology (as announced by or agreed upon with the lecturer).					
to pass this module, students must pass both assessment component 1 and assessment component 2.					
Referred to in IPO I (examination regulations for teaching degree programmes)					
Module appears in					
module appears in					

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Master's degree (1 major) FOKUS Physics (2010) Master's degree (1 major) FOKUS Physics (2011) Master's degree (1 major) FOKUS Physics (2006)

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