Module title			Abbreviation
Space Physics (Introduction)			10-I=ISP-122-m01
Module coordinator		**Module offered by**	
holder of the Chair of Computer Science VII		Institute of Computer Science	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
7	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	--	

Contents

1. Overview 2. Dynamics of charged particles in magnetic and electric fields 3. Elements of space plasma physics 4. Sun and heliosphere 5. Acceleration and transport of energetic particles in the heliosphere 6. Instruments for measuring energetic particles in space.

Intended learning outcomes

The students possess a fundamental knowledge about space physics and, in particular, the description of the dynamics of charged particles in the heliosphere and in space. They are familiar with the relevant parameters, their theoretical formulation and the methods to measure them.

Courses (type, number of weekly contact hours, language — if other than German)

V + T (no information on SWS (weekly contact hours) and course language available)

Method of assessment (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 to 90 minutes)
Language of assessment: English

Allocation of places

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Additional information

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Workload

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Teaching cycle

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Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Space Science and Technology (2012)