Module title			Abbreviation
Theory of Artificial Intelligence 2			10-AI=TAI2-242-m01
Module coordinator		**Module offered by**	
Dean of Studies Informatik (Computer Science)		Institute of Computer Science	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	--	

Contents

The lecture provides theoretical or practical knowledge about classical and modern algorithms and methods applied in the field of artificial intelligence. The most important problems are considered and the recent approaches to their solution are taught. Advanced models and methods of Artificial Intelligence as well as their technical backgrounds are presented and the relevant application possibilities for problems in the field of AI are shown.

Intended learning outcomes

The students have knowledge of advanced models, methods and techniques in the field of artificial intelligence and are able to independently identify and apply suitable methods for concrete problems.

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

V (2) + Ü (2)
Module taught in: German and/or English

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 120 minutes)
If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).
Language of assessment: German and/or English
creditable for bonus

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

Teaching cycle: if announced

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

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Module appears in

Master's degree (1 major) Artificial Intelligence (2024)