Module title	Abbreviation
Natural Language Processing 2	10-AI=NLP2-242-m01

Module coordinator	Module offered by
holder of the Chair of Computer Science X	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 advanced knowledge about techniques of Natural Language Processing (NLP). Current models and methods of machine learning as well as their technical backgrounds are presented and their respective application possibilities in word processing are shown. Important basics of modern NLP techniques for text representation as well as the latest models from the field of NLP are taught. In addition to the theoretical skills, the practical application of the methods and models learned is also covered.

Intended learning outcomes

The participants have knowledge about problems and techniques in the field of NLP 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)

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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

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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) Artificial Intelligence (2024)