## Module description

### Module title
Information Retrieval

### Abbreviation
10-I=IR-102-m01

### Module coordinator
Dean of Studies Informatik (Computer Science)

### Module offered by
Institute of Computer Science

### ECTS
5

### Method of grading
numerical grade

### Other prerequisites
Where applicable, prerequisites as specified by the lecturer at the beginning of the course (e.g., completion of exercises).

### Contents
IR models (e.g., Boolean and vector space model, evaluation), processing of text (tokenising, text properties), data structures (e.g., inverted index), query elements (e.g., query operations, relevance feedback, query languages and paradigms, structured queries), search engine (e.g., architecture, crawling, interfaces, link analysis), methods to support IR (e.g., recommendation systems, text clustering and classification, information extraction).

### Intended learning outcomes
The students possess theoretical and practical knowledge in the area of information retrieval and have acquired the technical know-how to create a search engine.

### Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)

Language of assessment: German, English if agreed upon with the examiner

### Allocation of places
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### Additional information
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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) Computer Science (2010)
- Master's degree (1 major) Mathematics (2010)
- Master's degree (1 major) Business Information Systems (2011)
- Master's degree (1 major) Business Information Systems (2013)
- Master's degree (1 major) Functional Materials (2012)
- First state examination for the teaching degree Gymnasium Computer Science (2009)