## Module title

**Deductive Databases**

### Abbreviation

10-I=DDB-102-m01

## Module coordinator

Dean of Studies Informatik (Computer Science)

## Module offered by

Institute of Computer Science

## ECTS

8

## Duration

1 semester

## Module level

graduate

## Other prerequisites

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

## Contents

Syntax and semantics of logic programs; data structures, program structures and applications for Prolog; analytical methods for Datalog; negation and stratification; disjunctive logic programs.

## Intended learning outcomes

The students possess expertise in working with Prolog and Datalog (including negation and disjunction).

## Courses

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

## Method of assessment

written examination (approx. 80 to 90 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. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3.

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 (2012)
- Master's degree (1 major) Mathematics (2010)
- Master's degree (1 major) Computational Mathematics (2012)
- First state examination for the teaching degree Gymnasium Computer Science (2009)