Module title | Logic for informatics
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Abbreviation | 10-I-LOG-141-m01

Module coordinator | Dean of Studies Informatik (Computer Science)
Module offered by | Institute of Computer Science
ECTS | 5
Method of grading | numerical grade
Only after succ. compl. of module(s) | --
Duration | 1 semester
Module level | undergraduate
Other prerequisites | --

Contents
Syntax and semantics of propositional logic, equivalence and normal forms, Horn formulas, SAT, resolution, infinite formula sets, syntax and semantics of predicate logic.

Intended learning outcomes
The students are proficient in the following areas: syntax and semantics of propositional logic, equivalence and normal forms, Horn formulas, SAT, resolution, infinite formula sets, syntax and semantics of predicate logic.

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

Method of assessment
written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)

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
Bachelor’ degree (1 major) Computer Science (2014)
Bachelor’ degree (1 major) Mathematics (2014)
Bachelor’ degree (1 major) Computational Mathematics (2014)