Module title | Computer Architecture  
---|---
Abbreviation | 10-I-RAK-152-m01

Module coordinator | holder of the Chair of Computer Science V
Module offered by | Institute of Computer Science

ECTS | 5
Method of grading | numerical grade
Duration | 1 semester
Module level | undergraduate
Other prerequisites | --

Contents
Instruction set architectures, command processing through pipelining, statical and dynamic instruction scheduling, caches, vector processors, multi-core processors.

Intended learning outcomes
The students master the most important techniques to design fast computers as well as their interaction with compilers and operating systems.

Courses
(V (2) + Ü (2))

Method of assessment
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
--

Additional information
--

Referred to in LPO I (examination regulations for teaching-degree programmes)
§ 69 I Nr. 1c: Rechnerarchitektur
§ 22 II Nr. 3b

Module appears in
Bachelor' degree (1 major) Computer Science (2015)
Bachelor' degree (1 major) Mathematics (2015)
Bachelor' degree (1 major) Computational Mathematics (2015)
Bachelor' degree (1 major) Aerospace Computer Science (2015)
First state examination for the teaching degree Gymnasium Computer Science (2015)
Master's degree (1 major) Physics (2016)
Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)
Bachelor' degree (1 major) Aerospace Computer Science (2017)
Bachelor' degree (1 major) Computer Science (2017)
Bachelor' degree (1 major) Computer Science (2019)