## Module title

**Program Design and Analysis**

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<thead>
<tr>
<th>Abbreviation</th>
<th>10-I=PA-141-m01</th>
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## Module coordinator

holder of the Chair of Computer Science II

## Module offered by

Institute of Computer Science

## ECTS

<table>
<thead>
<tr>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<tbody>
<tr>
<td>5 numerical grade</td>
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## Duration

<table>
<thead>
<tr>
<th>Module level</th>
<th>Other prerequisites</th>
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<tr>
<td>1 semester graduate</td>
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## Contents

Program analysis, model creation in software engineering, program quality, test of programs, process models.

## Intended learning outcomes

The students are able to analyse programs, to use testing frameworks and metrics as well as to judge program quality.

## 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)

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 (2014)
Master's degree (1 major) Business Information Systems (2014)