### Module title
Process and System Modelling

### Abbreviation
12-PSM-092-m01

### Module coordinator
holder of the Chair of Business Management and Business Information Systems

### Module offered by
Faculty of Business Management and Economics

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
graduate

### Other prerequisites
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### Contents
The course familiarises students with relevant principles, concepts and methods of process and system modeling. It is divided up into two parts:

**Part A: Introduction to business process management**

**Contents Part A:**
- Purpose of business process management
- How are business processes modelled?
- What is business process management?
- Strategic Management

**Part B: Simulation**

**Contents Part B:**
- Simulation
- Theoretical foundations
- Petri nets
- Smalltalk inscription language

### Intended learning outcomes
The students have
1. substantial knowledge of the basic principles, concepts and methods of process and system modeling and
2. recognize their economic importance and consequences.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
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<tbody>
<tr>
<td>V + Ü</td>
<td>(no information on SWS)</td>
<td>German</td>
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### Method of assessment
written examination (60 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**

<table>
<thead>
<tr>
<th>Master’s degree (1 major) Business Information Systems (2010)</th>
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<tr>
<td>Master's degree (1 major) Business Management (2010)</td>
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<td>Master's degree (1 major) Economics (2010)</td>
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