# Fundamentals of Supply Chain Management

<table>
<thead>
<tr>
<th>Number</th>
<th>Workload</th>
<th>Credits</th>
<th>Semester</th>
<th>When offered</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM 1.2</td>
<td>150 hrs</td>
<td>5 ECTS</td>
<td>1st</td>
<td>Winter semester</td>
<td>1 semester</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Coursework (hrs/week)</th>
<th>Contact hours</th>
<th>Self-study</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Interactive seminars: 2</td>
<td>4 hrs/week = 72 hrs</td>
<td>78 hrs</td>
<td>German (English)</td>
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<tr>
<td>b) Exercises: 2</td>
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## 2 Learning outcomes

Students will be able to give examples of and discuss the predominant types of generic supply chain strategies, their components, pertinent parameters and related real-world applications, and then choose and implement the most suitable ones for a given situation. Students will also be able to explain the various supply chain management reference models (such as efficient consumer response and the Supply Chain Operations Reference model), special SCM approaches (e.g. vendor managed inventory, collaborative planning, forecasting, replenishment and postponement), and systematically put these into practice within a particular business or organization.

## 3 Course content

- Generic business strategies: what they are and how to analyze them
- Using, adapting and assessing generic supply chain strategies
- Developing and evaluating the parameters and requirements for supply chain strategies
- Monitoring and measuring supply chain strategy performance elements
- Analyzing SCM reference models (including efficient consumer response and the Supply Chain Operations Reference model)
- A discussion of special approaches used in SCM (including vendor managed inventory, collaborative planning, forecasting, replenishment and postponement)
- Designing the steps required to effectively put in place the various SCM models and an effective system of project management
- Case studies about choosing and putting different SCM concepts and models into action

## 4 Teaching methods

Interactive seminars, practical exercises and case studies

## 5 Course prerequisites

Formal: None  
Recommended: None

## 6 Type of examination

Written

## 7 Requirements for the award of credit hours

Passing grade on module examination

## 8 Course share of final grade: 5 / 90 (≈ 5.56%)