## CURRICULUM M.SC. APPLIED ARTIFICIAL INTELLIGENCE
### DISTANCE LEARNING, 60 ECTS credits

<table>
<thead>
<tr>
<th>Semester</th>
<th>Module</th>
<th>Course Code</th>
<th>Course</th>
<th>ECTS credits</th>
<th>Type of Exam</th>
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<tr>
<td>VZ</td>
<td>1. Semester</td>
<td>Machine Learning</td>
<td>DLMDSML01</td>
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<td>Exam</td>
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<tr>
<td>TZ I</td>
<td>1. Semester</td>
<td>Deep Learning</td>
<td>DLMDSDL01</td>
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<td>Oral Assignment</td>
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<td>TZ II</td>
<td>1. Semester</td>
<td>Reinforcement Learning</td>
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<td>2. Semester</td>
<td>Inference and Causality</td>
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<td>ELEKTIVE A*</td>
<td>e.g. Industrial AI</td>
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<td>2. Semester</td>
<td>ELEKTIVE B**</td>
<td>e.g. Industrial Automation and Computer Vision for Autonomous Systems</td>
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<td>3. Semester</td>
<td>Seminar: Current Topics in AI</td>
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<td>Research Essay</td>
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<td>4. Semester</td>
<td>Master Thesis</td>
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<td>Thesis</td>
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<td>4. Semester</td>
<td>Colloquium</td>
<td>DLMMTHESIS02</td>
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<td>Thesis Defense</td>
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Total: 60 ECTS credits

### Tracks

- **Track AI in Automotive**
  - Elective A*
  - Elective B**
- **Track AI and Computer Vision**
  - Elective A*
  - Elective B**
- **Track AI in FinTech**
  - Elective A*
  - Elective B**
- **Track AI in HealthCare**
  - Elective A*
  - Elective B**
- **Track AI and NLP**
  - Elective A*
  - Elective B**
- **Track AI in Production**
  - Elective A*
  - Elective B**
- **Track AI for Supply Chain Management**
  - Elective A*
  - Elective B**
- **Track AI in Marketing and E-Commerce**
  - Elective A*
  - Elective B**

### Electives

- Elective A*
- Elective B**