

**Modulbeschreibungsraster gemäß RStPO (Englische Fassung)****Modulbeschreibungsteil:**

<b>Module Name</b>	<b>AWE Design Thinking and Interdisciplinary Problem Solving</b>
<b>Module Coordinator</b>	Zwetana Penova
<b>Semester</b>	Summer and Winter
<b>Duration</b>	One Semester
<b>Status</b>	Extracurricular Subject
<b>Module Frequency</b>	Every Semester
<b>ECTS Credits</b>	2
<b>Taught Contact Time (weekly hours per semester)</b>	2 Hours Contact Time per Week (2 SWS)
<b>Learning Outcomes and Competences</b>	<p>Design Thinking is a human-centred process to generate innovative solutions and ideas. The Design Thinking steps are interactive and fast – this suits perfectly today’s agile operating principles. In this course, participants learn every single step and methods behind it. They practise how to use these in a team and individually for their own project. Moreover, they are introduced to dynamic group processes and their importance for constructive collaboration among interdisciplinary teams.</p> <p>Content:</p> <ol style="list-style-type: none"> <li>1. Design Thinking versus traditional work methods</li> <li>2. Interactive steps of Design Thinking</li> <li>3. Team and space</li> <li>4. Research, building empathy</li> <li>5. Defining the problem</li> <li>6. Idea creation</li> <li>7. Prototyping and testing</li> <li>8. Implementation</li> </ol> <p>Workshops, hands-on exercises, group training.</p>
<b>Level</b>	English at B2 level. No other entry criteria.
<b>Obligatory Prerequisite Modules</b>	None
<b>Recommended Prerequisite Modules</b>	None
<b>Examination Type</b>	Project Work Submission
<b>Examination Grading</b>	Pass/Fail
<b>Associated Units</b>	None
<b>Module Applicability</b>	None
<b>Recognised Modules</b>	None
<b>Further Information</b>	<p>Links:</p> <p><a href="http://www.penova.de/2012/10/design-thinking-kompakt/">http://www.penova.de/2012/10/design-thinking-kompakt/</a></p> <p><a href="http://www.hcdconnect.org/">http://www.hcdconnect.org/</a></p> <p><a href="http://designthinking.ideo.com/">http://designthinking.ideo.com/</a></p> <p><a href="http://www.ted.com/talks/tim_brown_urges_designers_to_think_big">http://www.ted.com/talks/tim_brown_urges_designers_to_think_big</a></p>