

<b>Module</b>	<b>Introductory Futures Studies for Engineers</b>	
<b>Semester</b>	1	
<b>Duration</b>	1 Semester	
<b>Method of Examination</b>	Pflichtfach	
<b>ECTS</b>	5	
<b>Student's Workload</b>	60 h compulsory attendance + 90 h self-study	
<b>Entry Requirements (MPO)</b>		
<b>Recommended Requirements</b>		
<b>Applicability</b>	MaTMeng	
<b>Type/Duration of Assessment</b>	project	
<b>Teaching Method</b>	The students prepare topics from the perspective of different stakeholders. Through discussions a holistic view will be developed.	
<b>Module Coordinator</b>	K. Keller	
<b>Aims and Objectives</b>	<p>The students shall be introduced to methods and concepts in order to:</p> <ul style="list-style-type: none"> <li>- analyze the potential of recent scientific-technical developments and sounding the associated social, economic and ecological chances</li> <li>- examine the legal, economic and social general conditions connected with the realization and implementation scientific-technical developments</li> <li>- analyze anticipatory and globally the potential effects and benefits of recent scientific-technical developments and to demonstrate the possibilities of a strategic utilization of the chances the application of a technique could bring as well as for the prevention or attenuation of its risks</li> </ul>	
<b>Course content</b>	Besides an introduction to TA different methods that are used in TA (Delphi-process, risk analysis, input/output analysis and scenario technique) will be presented and the methodical challenges within TA-projects will be discussed.	
<b>Literature</b>	E. Cornish: Introduction to the Study of the Future FFA: Study Guide and Collection of Articles, Turku 2014 lecture notes	
<b>Courses</b>		
<b>Lecturer</b>	<b>Course Title</b>	<b>SPPW</b>
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