


<b>Studiengang:</b> <i>Program:</i>		<b>Master of Science im Maschinenbau</b> <i>Master of Science in Mechanical Engineering</i>			
1	<b>Modul:</b> <i>Module:</i>	<b>Management &amp; Leadership</b> <i>Management und Führung</i>			<b>English</b> <i>Englisch</i>
	<b>Fach-Nr.</b> <i>Course number</i>	<b>Semester</b> <i>Semester</i>	<b>Dauer</b> <i>Duration</i>	<b>Status</b> <i>Status</i>	<b>Turnus</b> <i>Regular cycle</i>
		2. Semester	1 Semester	compulsory	annual
	<b>Kreditpunkte</b> <i>Credits</i>	<b>Aufwand</b> <i>Workload</i>	<b>Kontaktzeit</b> <i>Contact-hours</i>	<b>Selbststudium</b> <i>Student's efforts</i>	
	2,5 ECTS	75hrs	2hrs/week = 30hrs Lecture	45hrs Preparation and postprocessing	
2	<b>Beschreibung</b> <i>Description</i> The working environment is changing. For leaders and specialists it gets more important to understand Management processes and behaviour in organisations. This course helps to develop a critical appraisal of management perspectives in organisations and of interactions among people who work in them. This should encourage a greater level of awareness of and sensitivity to the organisational factors and management processes influencing the behaviour and performance of people at work. Understanding these processes will be a basis for successful practice of methods to run organisations, groups and individuals.				
3	<b>Lernziele</b> <i>Learning Outcomes</i> The students can <ul style="list-style-type: none"> <li>• Describe the typical roles of management and leadership in organizations</li> <li>• Explain factors affecting behaviour and performance</li> <li>• Examine Factors which influence group cohesiveness and performance</li> <li>• Describe the process of motivation and the conditions of changemanagement</li> <li>• Explain the process of personnel selection and development</li> </ul>				
4	<b>Schlüsselqualifikationen</b> <i>Key qualifications</i>				
	Sozialkompetenz <i>Social Competence</i>	Methodenkompetenz <i>Competence in Methods</i>	Selbstkompetenz / Personenkompetenz <i>Self-Competence Personal Competence</i>	Interkulturelle Kompetenz <i>Intercultural Competence</i>	Medienkompetenz <i>Media-Competence</i>
		X		(X)	
5	<b>Lehrveranstaltung/ -methoden</b> <i>Course type and methods</i> <b>Lecture</b> <ul style="list-style-type: none"> <li>• Seminar-like teaching</li> <li>• Exercises and examples (case studies)</li> </ul>				
6	<b>Vorbedingungen / Vorkenntnisse</b> <i>Prerequisites</i> none				
7	<b>Arbeitsmittel / Literatur</b> <i>Required material / Literature</i> <ul style="list-style-type: none"> <li>• Literature according to the current list given during the lecture</li> </ul>				

<b>Detailinformationen</b>																				
8	<b>Inhalte</b> <i>Course topics</i> <b>Introduction</b> <b>Management in Organizations</b> <b>People and Work</b> <ul style="list-style-type: none"> <li>➤ Individual and oranzizational needs</li> <li>➤ Perception and Communication</li> </ul> <b>How people organise</b> <ul style="list-style-type: none"> <li>➤ Group Behaviour</li> <li>➤ Individuals and Self-Management</li> </ul> <b>Motivation, Job Satisfaction and Quality of Work Life</b> <b>Functions and Characteristics of Leadership</b> <b>The Dynamics of Change</b> <ul style="list-style-type: none"> <li>➤ Resistance to Change</li> <li>➤ Changemanagement</li> </ul> <b>Management of Human Resources</b> <ul style="list-style-type: none"> <li>➤ Finding qualified employees</li> <li>➤ Training and Development</li> </ul>																			
9	<b>Prüfungsform</b> <i>Assessment</i> Written/Oral examination at the end of the term: 1hour																			
10	<b>Voraussetzung für die Vergabe von Kreditpunkten</b> <i>Requirements for granting of credits</i> Passing the exam																			
11	<b>Stellenwert der Note in der Endnote</b> <i>Meaning of the mark concerning final exam</i> 2,5/150																			
12	<b>Weiterführende Veranstaltungen</b> <i>Related courses</i> <ul style="list-style-type: none"> <li>• Professional Behaviour</li> <li>• Ethics</li> </ul>																			
13	<b>Bezug zu Zielen des Studiengangs</b> <i>Related objectives of the study program / Outcomes</i> <ul style="list-style-type: none"> <li>• The goal is to produce mechanical engineering graduates with a good management know-how</li> <li>• The student will have the understanding of management tools and techniques and know about the rules in leading position.</li> </ul>																			
14	<b>Zuordnung</b> <i>Classification</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Mathematik &amp; Naturwissenschaft <i>Mathematics &amp; Natural Sciences</i></th> <th style="text-align: center;">Ingenieur- wissenschaften <i>Engineering Science</i></th> <th style="text-align: center;">Ingenieur- anwendungen <i>Engineering Application</i></th> <th style="text-align: center;">Entwicklung &amp; Konstruktion <i>Design</i></th> <th style="text-align: center;">Werkstoffe <i>Material</i></th> <th style="text-align: center;">Wirtschaft, Management, Sprachen <i>General Education</i></th> <th style="text-align: center;">Anderes <i>Other</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </tbody> </table>						Mathematik & Naturwissenschaft <i>Mathematics &amp; Natural Sciences</i>	Ingenieur- wissenschaften <i>Engineering Science</i>	Ingenieur- anwendungen <i>Engineering Application</i>	Entwicklung & Konstruktion <i>Design</i>	Werkstoffe <i>Material</i>	Wirtschaft, Management, Sprachen <i>General Education</i>	Anderes <i>Other</i>						X	X
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15	<b>Modulbeauftragter / Lehrpersonen</b> <i>Responsible person / Lecturers</i> Prof. Dr. A. Reski/ Prof. Dr. A. Reski, NN (Person from industry)																			