

	<b>Fakultät</b> Maschinenbau und Werkstofftechnik	Modulbeschreibung
	<b>Studiengang</b> Leadership in Industrial Sales and Technology	
	<b>Modulkoordinator</b> Prof. Dr. Joachim Albrecht	

<b>Modul-Name</b>		Applied Science and Technology				<b>Modul-Nr : 23401</b>	
<b>CP</b>	<b>SWS</b>	<b>Workload</b>	<b>Kontaktzeit</b>	<b>Selbststudium</b>	<b>Angebot Beginn</b>	<b>Sem</b>	<b>Dauer</b>
5	4	150	60	90	<input checked="" type="checkbox"/> Wintersemester <input type="checkbox"/> Sommersemester		<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester Semester
<b>Angestrebter Abschluss</b>		<b>Modultyp (PM/WPM/WM)</b>		<b>Studienabschnitt</b>		<b>Einsatz in Studiengängen</b>	
Master of Engineering		WPM - Wahlpflichtmodul		HS - Hauptstudium		IST	
<b>Form der Wissensvermittlung</b>		<input checked="" type="checkbox"/> Vorlesung <input checked="" type="checkbox"/> Übung <input type="checkbox"/> Labor <input checked="" type="checkbox"/> Selbststudium <input checked="" type="checkbox"/> Seminar <input type="checkbox"/> Hausarbeit <input type="checkbox"/> Projektarbeit <input checked="" type="checkbox"/> Sonstiges: Referat, Bericht					
<b>Zugangsvoraussetzung</b>		keine					

Enthaltene Teilmodule / Lehrveranstaltungen								
Fach-Nr.	Titel des Teilmoduls / Lehrveranstaltung	Lehrende	Art	SWS	CP	Sem	Modulprüfung Art / Dauer / Benotung	
	Energy Concepts	Hofmann	V	2			PLM 20 PLR 30  benotet	
	<b>Teilmodultyp (PM/WPM/WM)</b>	<b>Studienabschnitt</b>	<b>Einsatz in Studiengängen</b>					
	WPM - Wahlpflichtveranstaltung	HS - Hauptstudium	IST					
Fach-Nr.	Titel des Teilmoduls / Lehrveranstaltung	Lehrende	Art	SWS	CP	Sem		
	Advanced Technical Presentations	Albrecht	Ü S	2				
	<b>Teilmodultyp (PM/WPM/WM)</b>	<b>Studienabschnitt</b>	<b>Einsatz in Studiengängen</b>					
	WPM - Wahlpflichtveranstaltung	HS - Hauptstudium	IST					
<b>Zugelassene Hilfsmittel</b>								

**Lernziele / Kompetenzen**

**Allgemeines:** This module supplies technical contents to the Master programme in the field of Energy Concepts as well as integrated training of technical presentations. It aims to follow the future-oriented T-shaped concept based on the future related profound Energy Concepts as well as the deepening, specialising aspects of technical presentations.

**Fachkompetenz:** The students have a broad knowledge about actual and future energy concepts, have the skills to compare, and find suitable solutions, one of the main topics of actual technological issues. They have gained the ability to understand, describe, rephrase, prepare, present and discuss one of the main topics of actual complex technological issues on an advanced level using adequate English terminology. The participants experienced interaction between presenting participants and audience in demanding and complex presentations and are able to cope with different audiences.

**Methodenkompetenz:** By preparing, providing and optimizing their individual presentations the students use different techniques to convey complex information to an audience. They benefit from a basic knowledge about rhetoric instruments, and usage of visualisation aids as well as different media. They are able to use them intentionally in demanding, complex applications or settings.

**Sozialkompetenz:** The participant have practised bidirectional interaction between presenting participants and listeners in well prepared presentations. Thus they have acquired an advanced level of knowledge of transfer competence. The students are able to provide advanced communication skills in terms of leading discussions, answering complex questions and especially explaining complex technical issues target-group oriented in an understandable way.

Kompetenzbereich	Schwerpunkt	Teilschwerpunkt	In geringen Anteilen
Fachkompetenz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Methodenkompetenz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sozialkompetenz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Lehrinhalte**

The part "Advanced Technical Presentation" combines a first, theoretical part containing lectures on presentation techniques with a seminar as second part where the knowledge is transferred into presentations given by students on technical topics. Both a technical report and a technical teaching unit will be considered in the seminar.

The part "Energy Concepts" gives an overview of the actual technical ways of generating renewable energy. Different concepts are presented and explained with historical, technical and economical aspects.

<b>Sprache</b>	<input checked="" type="checkbox"/> Deutsch <input checked="" type="checkbox"/> Englisch <input type="checkbox"/> Spanisch <input type="checkbox"/> Französisch <input type="checkbox"/> Chinesisch <input type="checkbox"/> Portugiesisch <input type="checkbox"/> Russisch
<b>Literatur</b>	Advanced Technical Presentations: Feuerbacher, Professionell Präsentieren, Wiley-VCH
<b>Zusammensetzung der Endnote</b>	PLM 50 % PLR 50 %
<b>Bemerkungen / Sonstiges</b>	
<b>Letzte Aktualisierung</b>	März 2013 / 15.12.2015 Borgmeier