

MASTER

Modul: Technology and Innovation Management

Semester:	3.	Modulverantwortliche/r :	Prof. Dr. Koch
Code der Veranstaltung:	TIM	Lehrsprache:	Englisch
ECTS-Punkte:	5	Dozenten:	
Kontaktstunden:	44	Prof. Dr. Koch	
Selbststudium:	91		
Dauer des Moduls (Sem):	1		
Art des Moduls:	Pflicht		
Häufigkeit des Angebots des Moduls:	Jedes Wintersemester		
Gewichtung der Note in der Gesamtnote:	5/120		
Art und Umfang der Prüfungsleistung:	KRS 90		

Zugangsvoraussetzungen: Skills in defining business strategies, in innovative business models, in Operations Research.

Verwendbarkeit des Moduls:

In modules of the management oriented master programs at the FHDW.

Qualifikationsziele des Moduls:

Students develop a concise and transferable understanding of concepts and methods of technology and innovation management. They identify innovative technologies, new products and optimized processes to ensure competitive ability of companies. The students are able to classify and evaluate the fields of functions concerning technology and innovations of executives. They identify consequences and suggestions and are therefore able to ensure the sustainability of companies.

Lehr- und Lernmethoden des Moduls: Lectures, presentations of students, national and international case studies, practical exercises and business games

Besonderes:

Use of E-Learning. Where applicable guest speakers will present real world examples of complexity from different business perspectives

Inhalte des Moduls:

1. Terms and Concepts of Technology and Innovation Management (TIM)
 - 1.1 Innovation
 - 1.2 Influencing factors on innovation
2. Technology cycles and und innovation processes
 - 2.1 Technology cycles: Dimensions and variants
 - 2.2 Examples for innovation processes
3. Technology management
 - 3.1 Processes of technology management
 - 3.2 Property rights, patents, licensing
4. Strategic innovation management
 - 4.1 Basics
 - 4.2 Foundations of TIM in companies

Zu Modul: Technology and Innovation Management

Literatur:

- Albers, S., Gassmann, O. (Hg.): Handbuch Technologie- und Innovationsmanagement: Strategie - Umsetzung – Controlling, Wiesbaden, 2011
- Burgelman, R.A., Christensen, C.M., S.C. Wheelwright: Strategic Management of Technology and Innovation, New York, 2009
- Müller-Prothmann, T., Dörr, N.: Innovationsmanagement: Strategien, Methoden und Werkzeuge für systematische Innovationsprozesse, München, 2011
- Schilling, M. A.: Strategic Management of Technological Innovation, New York, 2010
- Wördenweber, B. et al.: Technologie- und Innovationsmanagement im Unternehmen: Lean Innovation, Berlin u.a., 2008