



Ruhr Master School
of Applied Sciences

Dieses Wahlpflichtmodul ist ein Angebot der:

**Fachhochschule
Dortmund**

University of Applied Sciences and Arts

Master Digital Transformation

Managing Digital Change

nhiem.lu@fh-dortmund.de

Prof. Dr. Carsten Wolff
carsten.wolff@fh-dortmund.de

Hochschule Bochum
Bochum University
of Applied Sciences



Fachhochschule
Dortmund
University of Applied Sciences and Arts



Westfälische
Hochschule
Gelsenkirchen Bocholt Recklinghausen
University of Applied Sciences

STIFTUNG
MERCATOR



Compulsory Elective

Managing Digital Change (MOD-E08)						
Code Number		Workload	Credits	Semester	Frequency	Duration
48208		180 h	6	2	summer semester	1 Semester
1	Course Title Managing Digital Change		Contact hours 4 SWS / 60 h		Self-Study 120 h	Planned Group Size 25 students
2	Course Description The digital transformation is to a relevant extent a change process with a huge impact on organizations, processes, business model, the socio-economic environment and finally the affected hum beings. Managing the digital change means doing change management in a very specific context by implementing change projects. The module intends to give students a scientific insight into the relevant underlying mechanisms of the digital change process.					
3	Course Structure <i>1. Digital Transformation in Organisations</i> 1.1 New digitalized forms of organisation 1.2 Business models and business relations in the digital era 1.3 Structural resistance of organisations against digital change 1.4 Chances and risks of digital transformation in organisations <i>2. Socio-economic Impact of Digital Transformation</i> 2.1 Digital transformation as a socio-economic trend 2.2 "Arbeit 4.0" 2.3 Education and training as impact mitigation 2.3 Analysis of Case Studies <i>3. Sustainable Digital Transformation</i> 3.1 Stakeholder management in digital transformation projects 3.2 Project management for digital transformation projects 3.3 Efficiency and effectivity measurement 3.4 Sustainability and maturity models					
4	Application Focus Students will be guided through a case study project where they plan a digital transformation project for an example case. This example case will be taken preferably from a real company project. Companies can bring their digital transformation projects as a case study for a block week or summer school workshop. Students form teams to prepare the respective project and present it in a kick-off presentation to the companies.					
5	Scientific Focus Literature review and analysis. Deductive own research based on the literature. Scientific reflection and discussion in the teams.					

6	Parameters <ul style="list-style-type: none"> • ECTS: 6 • Hours of study in total: 180 • Weekly hours per semester: 4 <ul style="list-style-type: none"> – Contact hours: 60 – Self-Study hours: 120 • Course characteristics: elective • Course frequency: every year - summer semester • Maximal capacity: 25 students • Course admittance prerequisites: none • Skills trained in this course: theoretical, practical and scientific skills and competences • Assessment of the course: contributions within case study project (team presentation) (50%) and written paper (literature review, report or survey, approx. 25 pages) and presentation (in class or at a student conference, e.g. International Research Conference Dortmund) (50%) • Teaching staff: Prof. Dr. Carsten Wolff, guest lecturers from partner universities, EuroMPM
7	Learning outcomes <p>6.1 Knowledge</p> <ul style="list-style-type: none"> • explain the basics of the digital transformation in organizations • explain and compare digital business models • explain methods and tools for change management • explain the core concepts of “Arbeit 4.0” <p>6.2 Skills</p> <ul style="list-style-type: none"> • analyze and develop digital transformation projects • apply change management to organizations • develop tailored concepts for sustainable digital transformation <p>6.3 Competence - attitude</p> <ul style="list-style-type: none"> • Students train to develop and discuss concepts in teams • They can present their results to companies and discuss in a professional context • Students work in teams and set up a digital transformation project for their respective case study
8	Teaching and training methods <ul style="list-style-type: none"> • lectures introducing concepts, methods and tools, own literature reading • group work in the case study project to practice concepts and methods, to develop skills and to work on case studies • presentations to communicate results and do a scientific discussion and reflection
9	Course mapping <p>Input for:</p> <p>None</p> <p>Input from:</p> <p>None</p>

10	References Csedo, Z., Kovacs, K. & Zavarko, M. (2017): How does Digitalization Affect Change Management: Empirical Research at an Innovative Industrial Group. European Journal of Business and Management. 9 (36), 1-5 Ehrhart, M., Schneider, B. & Macey, W. (2013): Organizational Climate and Culture an Introduction to Theory, Research, and Practice. New York, Routledge Raskino, M.; Waller, G. (2016): Digital to the Core: Remastering Leadership for Your Industry, Your Enterprise, and Yourself, Routledge Rogers, D.L. (2016): The Digital Transformation Playbook - Rethink Your Business for the Digital Age, Columbia Business School Publishing
-----------	---