

Module Description

General information:

Module number:	IN2278
Title (dt.):	Forschungsgrundlagen und -methoden der Wirtschaftsinformatik Research Foundations and Methods for Information Systems Research
Title (en.):	
Module level:	Master
Abbreviation:	Research Foundations
Subtitle:	
Duration:	One semester
Occurrence - summer/winter:	Winter
Occurrence - regular/irregular:	Regular
Language:	German/English
Credits:	4

Workload:

Contact hours:	15
Self-study hours:	105
Total hours:	120

Achievement and assessment methods:

Description of achievement and assessment methods:	The module examination is based on a term paper (70 %) and two presentations (30 %). By writing the term paper, students have to demonstrate a deep understanding of a selected research method. Therefore they need to precisely describe its procedure and its application in the exercise research project. Furthermore, they need to discuss its strength and weaknesses based on literature and their practical experiences from the exercise research project. By presenting a selected research method and their exercise research project, students have to demonstrate the mastery of the selected research method. Therefore they need to provide profound background knowledge of the selected research method (1. presentation) and defend its application and share their experiences from applying it (2. presentation). Both the term paper and the presentation are prepared in groups of 3 - 6 students.
Type of assessment:	term paper + presentation
Duration of assessment (min):	N/A
Assessment retake:	Next semester

Description:

(Recommended) prerequisites	Introductory knowledge of Information Systems
Content:	The course provides knowledge and experiences in foundations of research, including philosophy of science, research methodology, and research project management. The course tackles approaches and methods in qualitative and quantitative research as well as design research.
Intended learning outcomes:	After successful completion of the module, students are aware of the different preceptions of research and basic positions. The students understand the terms ontology and epistemology as well as the commonalities regarding socio-scientific, economical and technical research conceptions. Students are able to analyze and evaluate the research design of contemporary research published in information system journals and conferences. They are also able to design a research project and apply research methods in a rigorous manner. Furthermore, the students can practice their presentation skills, rethorics and moderation skills.

Teaching and learning methods:	Interactive lectures with beamer presentation and class room discussions to provide an overview on epistemology and research methods. Based on this, the student teams select a specific research method to focus on and present the procedure of the method, its strength and weaknesses. This is accompanied by a small exercise research project where the students apply the selected research method. Each research project is finally presented in the course and <u>experiences are discussed.</u>
Media:	Presentation slides
Reading list:	<p>Bortz, J., Döring, Nicola (2006). Forschungsmethoden und Evaluation für Human- und Sozialwissenschaftler, 4. Edition, Berlin, Heidelberg, New York: Springer-Verlag.</p> <p>Eisenhardt, K.M. (1989). Building Theories from Case Study Research. Academy of Management Review, 14(4), 532-550.</p> <p>Hevner, A.R.; March, S.T.; Park, J.; Ram, S. (2004). Design Science in Information Systems Research. MIS Quarterly, 28(1), 75-105.</p>

Responsible for module:	
First name:	Helmut, Prof. Dr.
Name:	Krcmar
Email:	krcmar@in.tum.de
Lecturer:	
1. Lecturer:	
First name:	Helmut, Prof. Dr.
Name:	Krcmar
Email:	krcmar@in.tum.de
2. Lecturer:	
First name:	Markus
Name:	Böhm
Email:	markus.boehm@in.tum.de

Courses:	
1. Course:	
Type:	Seminar
Name:	Research Foundations and Methods for Information Systems Research
Weekly hours per semester:	1

(Recommended) audience:	
1. Program:	
Name:	MSc Finance & Information Management (FIM)