

(1.) Course Title: INFPHD453 Research Design and Research Strategies	Credits: 6
Course Classification: Optional	
Theoretical or Practical Nature of the Course, 'training character'¹³: (credit%)	
Type of Class: lecture and number of hours: 2/week in the given semester, <i>(If the course is not (only) taught in Hungarian, then the language: English)</i> Additional (specific) methods and characteristics² used in delivering the knowledge <i>(if any)</i> : -	
Assessment Method (Exam / Midterm Grade / Other³): doctoral colloquium Additional (specific) methods⁴ applied in knowledge assessment <i>(if any)</i> :	
Course Placement in Curriculum (Semester Number): This course targets PhD students after after their 1st year or more advanced.	
Prerequisites <i>(if any)</i> : -	
Course Description: A concise yet informative description of the knowledge to be acquired.	
The course discusses diverse research strategies and their application to the participants' actual work. Participants, in group-workshops with peer-coaching, strategically structure and classify their existing / planned research results and co-create a set of new research proposals in their respective field. The course is based upon an innovative framework for classifying research designs and for developing new research designs based on a set of archetypical strategies and templates. The concept was scientifically developed by the course lecturer and previously introduced in PhD seminars with international universities from Switzerland, Germany, Hong Kong, and including selected participants from ELTE. It is now offered for the first time as a regular course in the ELTE Doctoral School of Informatics. Course Program: The concept will be introduced in a preparatory lecture. After two weeks PhD students submit a 1-page summary of their current research and/or one or two role-model-papers for their planned or potential research designs. The submission will be followed by two full day hands-on workshops with participants' presentations, peer-coaching, and assistance by the professor. Participants should join well prepared to share their questions, reflections, and criticisms with the professor and their colleagues.	
2-5 Most Important Required and Recommended Literature List of required and recommended literature (notes, textbooks) with bibliographic data (author, title, publication details, (possibly pages), ISBN).	
Offermann P., Blom S., Bub U. (2011) "Strategies for Creating, Generalizing and Transferring Design Science Knowledge - Methodological Discussion and Case Analysis", 10. Internationale Tagung Wirtschaftsinformatik, Zürich. Offermann P., Blom S., Schönherr M., Bub U. (2011) "Design Range and Research Strategies in Design Science Publications", 6th Intern. Conference on Design Science Research in Information Systems and Technology, Milwaukee, MI.	

(Further reading in German: Bub, U. (2018). Das richtige Innovationsdesign finden. Wirtschaftsinformatik & Management, 10(2), 58-67.)

List of Prescribed Professional Competencies and Competency Elements

(knowledge, skills, etc., KKK Section 8) that the course significantly contributes to developing (highlight the most important ones).

a) Knowledge

- Has a research-level understanding of the general and specific characteristics, major directions, and precisely developed boundaries of the subject area within the discipline, as well as the agreed and debated interrelations.
- Creatively comprehends the interrelations, theories, and conceptual frameworks and terminologies of the given field of study.¹
- Possesses research methodology knowledge necessary for independent research in the given discipline/field.

b) Skills

- Capable of creative analysis of the field, synthesizing comprehensive and specific interrelations with a new perspective, and conducting appropriate evaluative and critical activities.
- Able to apply and further develop the specialized learning and problem-solving methods of the field.
- Can creatively elaborate on the novel, previously unknown practical implications of theoretical issues.
- Capable of planning and executing new projects, conducting research in the field, and developing new techniques and approaches.
- Able to identify unforeseen professional problems and uncover the detailed theoretical and practical background necessary for their resolution at a research level.
- Can construct and communicate new relations relevant to the field, as well as comprehensive interrelations significant for personal and communal existence.

c) Attitudes

- Represents and further develops the relations that contribute to the process of human self-creation based on the field's characteristics.
- Possesses an interest and learning ability that enable identifying and solving currently unpredictable research problems in the field.

¹**Section 108**, Article 37 of the National Curriculum Act (Nftv.) 37. lesson: a session (lecture, seminar, exercise, consultation) requiring the personal involvement of the instructor to fulfil the academic requirements specified in the curriculum, the duration of which is at least forty-five minutes and not more than sixty minutes.

² e.g. case studies, role play, thematic presentations, etc.

³ e.g. continuous debriefing, mid-year report

⁴ e.g. request for case studies, thematic papers, essays, business, organisational plans, etc.

- Demonstrates a firm professional commitment, a continuous dedication to exploring new approaches, and an acceptance of the necessity for persistent effort.

d) Autonomy and Responsibility

- Builds and initiates new knowledge areas with creative independence and proposes new practical solutions.
- Participates in formulating theoretical and practical questions with a leadership role and high-level cooperation.
- Engages as an equal discussion partner with professionals in the field.
- Takes responsibility for raising and addressing new ethical questions concerning theoretical and practical aspects of the profession.

Course responsible (name, position, academic degree): **Dr. habil. Udo Bub, Research Professor**

Instructor(s) involved in teaching the course (if any) (name, position, academic degree):

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