Description:
• This is a "crash course" on Research Design and Research Methodology.
• Some practical issues for the making of a Master thesis are also addressed.
• Target audience are Master Students in Educational Technology from various backgrounds.

This is just teaching materials for class-room teaching
• You may use it for self-study (but it is not meant for it)
• To project in full-screen mode, load into Acrobat outside your Web browser (!) and hit ctrl-l
• Students should do exercises or at least work on their own research design in stages
Objectives:

• Know about fundamental principles of an academic project
• Be familiar with three major classes of research designs: (1) Theory-testing approaches, (2) Qualitative and new theory-creating research, (3) Design-science research.
• Be aware of the fundamental elements of a Research Design: (1) Definition of a subject, (2) Research Goals and Questions, (3) Short Literature Review and selection of theoretical and conceptual frameworks, (4) Approach and Methodology: Operational Research Questions, Analysis frameworks and methodological techniques.
• Master the basics of a few selected research methodologies, e.g. data gathering, sampling, simple quantitative and qualitative data analysis.
• Deliverable: A draft project for your master thesis

Disclaimer

• This is a first round (several parts need corrections, modifications, expansions)

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