

Goals of Research Plan Seminar

After completing this study unit, students

- understand the nature of phenomena in Education and its challenges as a research focus, and they are able to distinguish the relations between the theories and practices of educational sciences
- know the epistemological foundations, research approaches and core concepts of educational research
- can justify an investigative approach in teacher's work and act as a critical educational professional who researches and develops one's own work.
- can design a research or project proposal, implement it, and prepare a report of the completed work
- are able to engage in communal construction of knowledge by participating in scientific discussions about the other students' studies and pedagogical products
- have received preparedness to carry out a thesis for the Advanced «Studies» of Education

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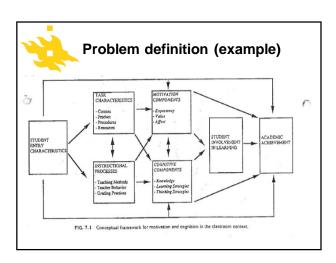
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Other literature based on the research topic

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	Timetable and how to proceed					
Group 2	DATE		TIME	LOCATION	THEME	
Period 3	Tuesday	31.01.	10.15-11.45	Aurora, 117	Baseline	
	Thursday	02.02.	16.15-17.45	Aurora, 117	Literature hunt	
	Tuesday	07.02.	10.15-13.45	Aurora 117	IND. TUTORING 4 x 30min	
	Thursday	09.02.	10.15-13.45	Aurora 117	IND. TUTORING 4 x 30min	
	Tuesday	14.02.	10.15-13.45	Aurora 117	Meeting	
	Thursday	16.02.	16.15-17.45	Aurora 117	Writing Res-plan	
	Tuesday	21.02	16.15-17.45	Aurora 117 (meeting)	Commenting R- plans	
	Wednesday	02.03	10.15-12.15	Aurora 117	Research plan presentations	
	Wednesday	04.04	10.15-13.45	Aurora 117		
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Problem definition is related to methodological approach

Epistemology is the nature of how knowledge is generated, and it serves as the foundation of educational research design.

A) Quantitative research (objectivist epistemology) is conducted from an, which à assumption that knowledge exists in the world independent of people and is waiting to be "discovered".

à hypotheses about connections

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The major assumptions of objectivism are:

(1)There is a real world consisting of entities structured according to their properties and relations.

Categorization of these entities is based on their properties.

(2)The real world is fully and correctly structured so that it can be modeled.

(3)Symbols are representations of reality and can only be meaningful to the degree that they correspond to reality.

(4)The human mind processes abstract symbols in a computer-like fashion so that it mirrors nature.

(5)Human thought is symbol-manipulation and it is independent of the human organism.

(6)The meaning of the world exists objectively, independent of the human mind and it is external to the knower

(Jonassen, 1992a; Lakoff, 1987).

Quantitative problems Predictors Outcomes Motivation - Expectancies Family SES Gender - Emotions Values Attention Support School needs Two basic question formats: 1) Is there assossociation (=correlation) between students' attention and values of schooling? Hypothesis: There is no association between atteen values of 2) To what extend school achievement is dependent of gender. Hypothesis: There are no differences between genders

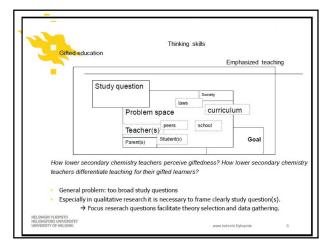


- B) Qualitative researchers generally operate from different epistemological perspectives:
- à E.g., constructionism which assumes that knowledge is created by interaction between people and their world (working hypotheses)
- à Interaction is described and accordingly analyzed and interpreted

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Sopla	ome guidelines for t	he researd	ch	
•	1. Background			_
	2. Procedure			
	3. Timetable			
	4. Mehtodology			
	5. Ethical issues			
	6. Dissemination			
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1. Background

Why is this research important? What other studies have there been in this area?

How will this research add to knowledge in this area?

What do you want to find out?

What is the main question you wish to answer?

What are the specific questions you will ask to address the main question?

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2. Procedure

Will you be doing this research on your own or with others?
Who are you targeting in this research?
How many people (questionnaires/case files) do you intend to have?
Where will the research take place?
Will participants be clearly and fully informed of the purpose of the research study (How you ensure this?)
How will participants be clear about the expectations of the researcher?
Do you have an information sheet and a consent form for

Do you have an information sheet and a consent form for participants?

Supervisory arrangements - how do you intend your research to be supervised and monitored and by whom?



3. Timetable

When will your research start and finish?

Are there particular stages to the research e.g. piloting, then main research?

If so, what are they?

Is the timetable realistic?

Is it influenced by external constraints or deadlines?

If so, how you can be prepared for the obstacles?

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4. Methodology

What sort of data will you be collecting, for example, numbers, talk to people directly, texts or a mixture of these?

What is the main analyses you will use to carry out the research (statistical or, qualitative ones)?

How will you select your sample? How will you recruit your sample? How will you collect your data?

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5. Ethical issues

Is there any potential risk or harm to participants or yourself? If yes à, what are the potential risks and what do you intend to do to reduce them?

How will you obtain informed consent? How will participants be given the opportunity to complain? Will you be insured against professional negligence claims?

How will you deal with complaints made against you by participants?

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6. Dissemination

Have you considered in what form will your findings be presented and to whom (not only participants of the STEP)?

How will you ensure anonymity of the participants in publications?

To whom does the research belong after its publication?

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