

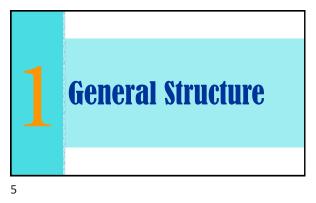
(i) Course Information		
Course title:	Research Project Preparation in Education	
Course load:	8 Hours	
Program:	Professional Development for Lecturers	
Dates:	21-22 April 2025	
Trainer:	Tin T. Dang, PhD	
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Objectives

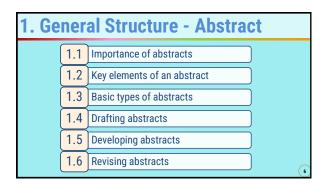
- Understanding the basic structure of academic research in education, particularly for lecturers in higher education
 Justifying and applying popular research methods in
- Understand key areas and concepts in educational research
- Developing specific research projects.

particular research projects in education

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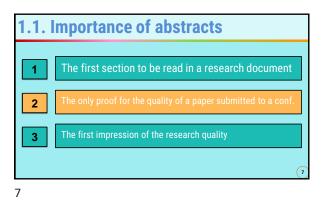


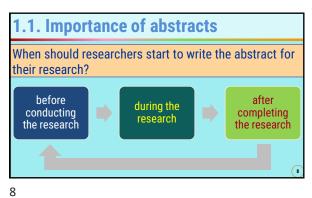






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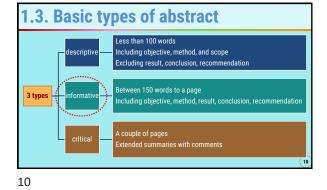
1.2. Key elements of an abstract

 Talk to a colleague next to you the key details that should be included in an abstract of a research study in education?

 research methodology
 finding
 research question
 objective

 data analysis
 rationale
 implication
 literature review

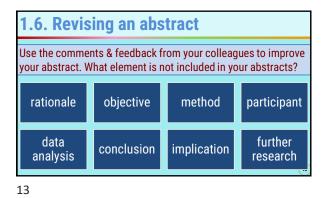
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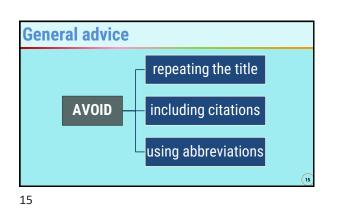
1.4. Drafting abstracts			
Look at the key elements in the table and draft an abstract.			
Key elements	s Details		
Objective	Understanding the effects of workplace wellness programs on medical expenditure, productivity, and well-being		
Method	Experimental design in more than two years		
Participants	Nearly 5,000 employees		
Findings	Increasing health screening rates, but not medical expenditures, productivity, or self-reported health status		
Conclusion	Rejecting the effects of wellness programs in prior research		

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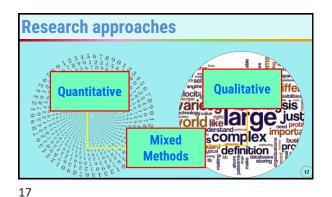
1.5. Developing abstracts			
Insert details of your research into the table below & write the abstract.			
Key elements	Details		
Objective			
Method			
Participants			
Findings			
Conclusion			









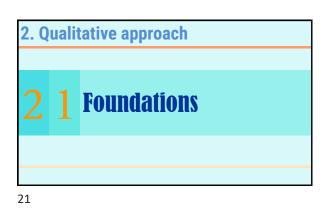




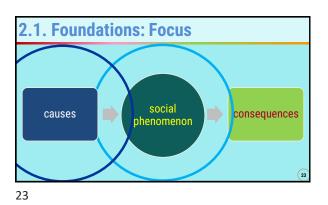
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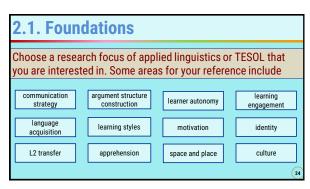


2. Qualitative approach				
2.1	Foundations	2.6	Virtual ethnography	
2.2	Naturalistic research	2.7	Phenomenological res.	
2.3	Ethnographic research	2.8	Reflexivity	
2.4	Critical ethnography	2.9	Conducting	
2.5	Autoethnography	2.0	Challenges	



2.1. Foundations No single picture of the world, but many worlds and many ways of investigating them Numerous kinds of research, presenting a wide range of meanings Connoting the use of words rather than numbers Focusing on attitudes towards understanding, experiences and interpretations by humans of the social world.





2.1. Foundations: Paradigm

- Humans actively construct their own meanings of situations
- Meaning arises out of social situations and is handled through interpretive processes
- Behaviour and data are socially situated, contextrelated, context-dependent and context-rich
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2.1. Foundations: Paradigm

- Realities are multiple, constructed and holistic
- Knower and known are interactive, inseparable
- Only context-bound working hypotheses are possible
- The attribution of meaning is continuous and evolving over time

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2.1. Foundations: Paradigm Research must include rich descriptions People are deliberate, intentional and creative in their actions History and biography intersect Social research needs to examine situations

- through the eyes of the participants
- Researchers are the instruments of the research_(n)
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2.1. Foundations: Paradigm

- Researchers generate rather than test hypotheses
- Researchers do not know in advance what they will see
- Humans are anticipatory beings
- Human phenomena seem to require even more conditional stipulations than do other kinds

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2.1. Foundations: Paradigm

- Meanings and understandings replace proof
- The processes of research and behaviour are as important as the outcomes
- People, situations, events and objects have meaning conferred upon them rather than possessing their own intrinsic meaning

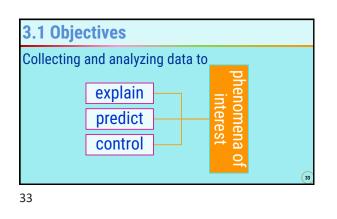
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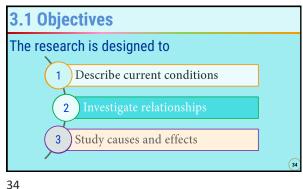
2.1. Foundations: Paradigm

- Social research should be conducted in natural, uncontrived, real-world settings with as little intrusiveness as possible by the researcher
- Social reality, experiences and social phenomena are capable of multiple, sometimes contradictory interpretations
- All factors have to be taken into account.



3. Quantitative Approach			
	3.1	General objectives	
	3.2	Assumptions	
	3.3	Basic characteristics	
	3.4	Variables	
	3.5	Basic designs	
	3.6	Sampling	32









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4.1 Knowledge gaps

- The phenomenon remains unexplained.
- There is inadequate knowledge to understand a phenomenon.
- The research findings are often different from what should be commonly expected.
- The professional practices of a technique deviate from previously conducted research findings.

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4.2 Conceptual/Theoretical gaps

- Different theories are used to explain the same construct.
- There are mismatches between the two conceptual frameworks to explain the same concept.
- The current knowledge is inadequate to support a theory.
- Differences between the evidence-based findings and their theoretical background.

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4.3 Methodological gaps

- The research methods employed in prior research to investigate a particular phenomenon is not adequate.
- It is necessary to refine the methods employed in prior research or develop a new one.
- The data collected from prior research is not reliable.
- The data is not accurately interpreted due to the analysis method.

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4.4 Data/Population gaps

- Conclusions made from the data generated from a few groups of population only.
- A population which is not adequately investigated in the prior research
- New measures to collect data on a particular construct need to be developed.
- The data collected in previous research is distorted.

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4.5 Empirical/Practical gaps

- Limited application of a teaching technique or limited employment of a learning strategy.
- Limited evidence-based effectiveness of a method.
- Limited understandings of the barriers when implementing a teaching or learning practice.
- Inconsistent findings generated from the same teaching or learning practice.

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4. Research gaps

Discussion

Look at the gaps presented in Handout 2 and identify the type of research gaps likely included. Are these gaps valid for further research?

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5. Research concepts			
	5.1	Popular concepts	
	5.2	Popular theories	
	5.3	Big names	

5.1 Popular concepts				
1	Learning strategies	6	Learning engagement	
2	Agency	7	Language exposure	
3	Cooperative learning	8	Synchronous learning	
4	Learning motivation	9	Automatic assessment	
5	Peer feedback	0	Task interactions	
			, 	

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