

## Module Layout

### ELP512/ Applied Educational Research: Quantitative Methods

<b>Faculty</b>	SOED	Faculty of Economics and Management	
<b>Programme of Study</b>	ELP	Educational Leadership and Policy	
<b>Module</b>	ELP512	Applied Educational Research: Quantitative Methods	
<b>Level of Study</b>	<b>Undergraduate</b>		<b>Graduate</b>
		<b>Master</b>	<b>Doctoral</b>
		√	
<b>Language of Instruction</b>			
<b>Mode of Delivery</b>	Distance		
<b>Module Type</b>	<b>Required</b>		<b>Electives</b>
	√		
<b>Number of Group Consulting Meetings</b>	<b>Total</b>	<b>Physical Presence</b>	<b>Online</b>
	3	-	3
<b>Number of Assignments</b>	2		
<b>Final Grade Calculation</b>	<b>Assignments</b>	<b>Weekly Activities</b>	<b>Final Exam</b>
	40 %	10 %	50 %
<b>Number of European Credit Transfer System (ECTS)</b>	15		

#### **Module Description**

The purpose of the Module is to familiarize students with the important stages of conducting quantitative research in education as well as to develop their critical ability towards quantitative research results in the field of education.

More specifically, the Module aims:

- to introduce students to basic principles of scientific quantitative research in education
- to provide students with the necessary knowledge and skills required to design a scientific quantitative research (specialized research topic, identification of quantitative research questions, methodology design, presentation of results and valid conclusions)
- to support students to understand the ethical issues arising in the design and implementation of a research
- to develop students' critical thinking over research quantitative results and conclusions

The Module deals with issues such as:

- Introduction to educational quantitative research
- Basic quantitative research approaches
- Stages of implementation of quantitative research - the scientific inquiry process
- Quantitative methodological approaches and research tools
- Collection and analysis of empirical quantitative data
- Critical appraisal of quantitative research

#### **Pre-requisite Modules**

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#### **Co-requisite Modules**

<b>ELP511</b>	<b>Introduction to Organization and Management of Education</b>
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<b>Grading Scheme</b>			
<b>Assessment Method</b>	<b>Percentage on Final Grade</b>	<b>Workload</b>	
		<b>Hours</b>	<b>ECTS</b>
<b>Weekly Interactive Activities</b>	10 %	37	1.5
<b>Assignment 1</b>	20 %	90	3
<b>Assignment 2</b>	20 %	90	3
<b>Final/Repeat Examination</b>	50 %	3	7.5
<b>Total</b>	<b>100%</b>	<b>220</b>	<b>15</b>

<b>Grading Rules and Assessment methods</b>
<ul style="list-style-type: none"> <li>• Students are evaluated with 9, if they earn 90% of the possible grade, i.e. <math>90\% \times 10 = 9</math>, etc.</li> <li>• Passing rate               <ul style="list-style-type: none"> <li>○ 50% of the Assignments</li> <li>○ 50% of the Interactive Activities</li> <li>○ Students are allowed to participate in the final exam of a Module if they have overall earned the minimum grade (<math>\geq 50\%</math>) in both their Assignments and Interactive Activities</li> <li>○ 50% of the Final exam</li> </ul> </li> </ul> <p>If a student earns a grade with decimal points, then it is rounded to the nearest half unit.</p>