



Knowledge FOR Resilient soCiEty



STUDENT CENTERED LEARNING

METHODOLOGY APPLICATION IN TEACHING AT MP DRM&FS

UNIVERSITY OF BANJA LUKA - FACULTY OF ARCHITECTURE, CIVIL ENGINEERING AND GEODESY				
MASTER MODULE "DISASTER RISK MANAGEMENT"				
No	COURSE TITLE	TOPIC	APPLIED SCL METHODOLOGY	STUDENT CENTRED LEARNING OUTCOME
1	Assessment of damaged structures	Assessment of existing public buildings (4 projects)	<p>Students are working in groups of 4-5. Group members divide the tasks between themselves. Each group prepares the paper and the presentation which will be discussed with other students and teacher.</p> <p>The final grade is the same for all the group members.</p> <p>Teachers provides the literature, theoretic basics and regular consultations. Initial field visit is organised with the presence of the teachers. The most of the work students are doing on their own.</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Familiarisation with relevant valid standards • Performing field visual inspection of the object - obtaining insight into the geometry of the object and the constructive system • Noting detections of all defects (enclosing in foto-documentation) • Making conclusions on defects causes • Describing methods for damage identification • Describing methods for built in materials condition assessment 	<p><i>Learning outcomes describe the measurable skills, abilities, knowledge or values that students should be able to do or demonstrate as a result of completing a program of study, a course or lesson.</i></p> <ul style="list-style-type: none"> • Mastering academic content • Widening technology and media literacy • Learning how to think critically and solve problems • Working collaboratively • Knowledge in assessment of damaged buildings • Recognition of building structures and materialization • Damage and material condition identification knowledge • Field observation and data collection • Communicating effectively • Relationship skills • Responsibility to work and to the co-workers



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			<ul style="list-style-type: none"> • Making conclusions of object condition and on recommendations for further assessment actions 	
2	Repair of timber, steel and masonry structures	<p>Elaborate on recommendation for repair of existing public buildings</p> <p>(4 projects)</p>	<p>Students are working in groups of 4-5. Group members divide the tasks between themselves. Each group prepares the paper and the presentation which will be discussed with other students and teacher.</p> <p>The final grade is the same for all the group members.</p> <p>Teachers provide literature, theoretic basics and regular consultations. The most of the work students are doing on their own.</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Familiarisation with relevant valid standards • Describing the main defects and main causes of defects • Performing basics calculations for elements capacity evaluation before and after the repair • Providing repairing plans for entire building in form of drawings • Providing repairing details in form of drawings • Describing repairing technology • Defining quantities of repairing works 	<p><i>Learning outcomes describe the measurable skills, abilities, knowledge or values that students should be able to do or demonstrate as a result of completing a program of study, a course or lesson.</i></p> <ul style="list-style-type: none"> • Mastering academic content • Widening technology and media literacy • Data collection • Working collaboratively • Knowledge in repair methods • Math, information, media, and technology skills • Relationship skills • Responsibility to work and to the co-workers • Responsible decision-making