

**„DZEMAL BIJEDIC“ UNIVERSITY OF MOSTAR
FACULTY OF CIVIL ENGINEERING**

Unit:	BRIDGES		Subject code: 0000
Level:	Undergraduate		
Professor:	Assistant Professor Dr Đani Rahimić		
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Contact hours:	Lectures per week: 2	Practicals/tutorials per week: 2	
ECTS:	4 ECTS		
Unit status:	Core		
Prerequisites:			
Synopsis:	<p>Design and construction of bridges (significance of the project, special features in construction bridges, proportions, typical concrete bridges, a combination of concrete and steel, computer and design).</p> <p>Concept of design and construction in bridge construction (shaft structures, arched and supported structures, tightened and suspended construction).</p> <p>Basic facts on bridges.</p> <p>Equipment of bridges (bearings, dilatation devices, drainage systems, fences, edges wreaths and curbs, waterproofing). Anticorrosion protection of structures and structures from concrete, natural and artificial stone and steel.</p> <p>Formwork and scaffolding for bridges.</p> <p>Construction of various bridge systems.</p>		
Aims:	Basic knowledge of planning, constructing and building bridges.		
Outcomes	The student learns basic design of bridges, effects on bridges, equipment bridges, bridge construction and maintenance of bridges.		
Teaching methods:	Lectures, practicals/tutorials/self-directed learning exercises		
Assessment:	Assessment is based on a number of practical exercises, tests and an end of semester examination.		
Prescribed literature:			