

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

<b>Unit:</b>	<b>Civil engineering materials II</b>	<b>Subject code:</b>
<b>Level:</b>	Graduate	
<b>Professor:</b>	Assoc. Professor Dr Merima Šahinagić-Isović, PhD	
<b>Contact details:</b>	E-mail: merima.sahinagic@unmo.ba	Tel: +387 36 514-863
<b>Contact hours:</b>	Lectures per week: 2	Practicals/tutorials per week: 2
<b>ECTS:</b>	6 ECTS	
<b>Unit status:</b>	Core	
<b>Prerequisites:</b>	-	
<b>Synopsis:</b>	Other types of concrete; Hydrocarbon binders; Polymers and plastics; Waterproofing materials; Materials for thermal protection; Sound protection materials; Fire protection materials; Organic coatings and other anti-corrosion protection materials.	
<b>Aims:</b>	Introducing students to the significance and application of other composite construction material properties and test procedures. Methods of protecting applied materials in construction practice. Gaining additional knowledge through laboratory exercises.	
<b>Outcomes</b>	Acquiring the knowledge of composites and material protection (hydro, corrosion, heat, sound) in order to provide sufficient durability and resistance of structures	
<b>Teaching methods:</b>	Lectures, practicals/tutorials/self-directed learning exercises, Consultative teaching	
<b>Assessment:</b>	Preparation and presentation of homeworks, written practical reports	
<b>Prescribed literature:</b>	<ol style="list-style-type: none"> <li>1. Mehta P.K. and Monteiro P.J.M.: Concrete: Structure, Properties and materials, 2014.</li> <li>2. Soutsos M. and Domone P.: Construction Materials: Their Nature and Behaviour, 2015</li> <li>3. Duggal S.K.: Building Materials, 2012</li> </ol>	