



SVEUČILIŠTE U SPLITU  
FAKULTET GRAĐEVINARSTVA,  
ARHITEKTURE I GEODEZIJE

UNIVERSITY OF SPLIT  
FACULTY OF CIVIL ENGINEERING,  
ARCHITECTURE AND GEODESY

# Structural Analysis of Historic Buildings

## 2017



University of Split

Spend your summer at  
SPLIT SUMMER SCHOOL for students  
of Civil Engineering, Architecture & Geodesy  
CROATIA / Split

## Welcome to Split Summer School!

### The Course: Structural Analysis of Historic Buildings

Structural Analysis of Historic Buildings provides an introduction to methods, techniques and materials used for restoration of historic buildings. Every historic object is specific and unique, thus, the main focus is on basic principles and concepts that must be followed in studying and preparing documentation for restoration. These concepts will be shown through project of restoration of Old Bridge in Mostar and Rector's palace in Dubrovnik, as well as through variety of projects. The course will provide participants basic set of principles that should be followed in restoration of historical buildings.

We would like to introduce you to the people organising the course and to the lecturers.

#### Organising committee

<p>Boris Trogrlić</p> <p>Ph.D. Dean, Associate professor btrogrlic@gradst.hr</p>	<p>Mirela Galić</p> <p>Ph.D. Vice Dean for Int. Cooperation, Associate professor mgalic@gradst.hr</p>	<p>Ana Jeličić</p> <p>Mag. ing. aedif. Academic Associate ana.jelicic@gradst.hr</p>
		

#### Lecturers

<p>Blaž Gotovac</p> <p>Ph.D. Professor gotovac@gradst.hr</p>	<p>Katja Marasović</p> <p>Ph.D. Associate professor kmarasovic@gradst.hr</p>	<p>Maja Karačić</p> <p>Mag. ing. aedif. Assistant mkaracic@gradst.hr</p>
		



## Program structure

### Sunday, 3/9 Faculty Entry hall

19.30-21.00	Registration
20.30 - ...	Welcome and address by Organising Committee

### Monday, 4/9 Classroom C5, 3<sup>rd</sup> floor

9.00 – 09.30	Introduction (the participants and the lecturers)
09.30 - 10.30	Lecture: Introduction (outline of the course; key points and structures that will be studied in detail)
10.30 - 11.00	Coffee break: cafeteria, -1 <sup>st</sup> floor
11.00- 12.30	Lecture: Architectural and structural survey (project documentation and challenges in numerical modelling of historic structures; methods and techniques used to obtain relevant data)
12.30- 13.30	Lunch break: student restaurant, -1 <sup>st</sup> floor
13.30 - 15.00	Lecture: Modern materials and technology used in historic structures restoration (introduction of most commonly used modern materials and technology through specific examples of application; introduction of materials and technology used in site-specific conditions)

### Tuesday, 5/9 Classroom C5, 3<sup>rd</sup> floor

09.00 -10.30	Lecture: Historic structure restoration challenges (relevance of past restoration attempts; specific situations)
10.30 - 11.00	Coffee break: cafeteria, -1 <sup>st</sup> floor
11.00 - 12.30	Lecture: Restoration of Old bridge in Mostar (architectural and structural survey; structural analysis; original and contemporary building materials)
12.30 - 13.30	Lunch break: student restaurant, -1 <sup>st</sup> floor
13.30 - 15.00	Lecture: Restoration of Old bridge in Mostar (documentary screening; discussion)



### **Wednesday, 6/9 Mostar – Field work**

08.00	Departure from Faculty parking lot
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### **Thursday, 7/9 Classroom C5, 3<sup>rd</sup> floor**

09.00- 10.30	Lecture: Rector's Palace, Dubrovnik (architectural and structural survey; structural analysis)
10.30 - 11.00	Coffee break: cafeteria, -1 <sup>st</sup> floor
11.00 - 12.30	Lecture: Rector's Palace, Dubrovnik (original and contemporary building materials; discussion)
12.30 - 13.30	Lunch break: student restaurant, -1 <sup>st</sup> floor
18.00 -	City tour (Diocletian's palace)

### **Friday, 8/9 Classroom C2, -1<sup>st</sup> floor**

09.00 – 10.30	Exercise: Solution proposal for intervention in historic object – study and individual work
10.30 - 11.00	Coffee break: cafeteria, -1 <sup>st</sup> floor
11.00 – 12.30	Final project: individual work with assistance (discussion)
12.30 - 13.30	Lunch break
	Free time
18.30-19.30	Diploma awarding
19:30 -	Dinner at Faculty restaurant

