SVEUČILIŠTE U SPLITU
FAKULTET GRAĐEVINARSTVA, ARHITEKTURE I GEODEZIJE

UNIVERSITY OF SPLIT
FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

BIM for Engineers

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: BIM for Engineers

Main topics:

- Core of BIM philosophy and implications on civil engineering
- Designing a concrete structure using BIM approach in 3D (shopping mall, or similar structure)
- Formwork plan production, associative to real 3D model, labeling and detailing
- Generating formwork drawings from 3D model, scale 1:50, 1:20 (floorplans, sections)
- Preparing printable sheets, self populating title blocs, associative links to 3D model
- Rendering of the structure and communicating 3D to other participants
- Preparing views and sections for reinforcement design
- 3D reinforcement design using real 3D model, mesh reinforcement, bar reinforcement, detailing. Reinforcement placing using Form Finding automatic reinforcement
- BIM collaboration with other disciplines, exporting and importing BIM models from other designers (Architects, HVAC)
- PDF based collaboration and workflow tracking

Program structure:

- 5 day course, practical work in civil engineering design using Allplan Engineering
- Producing full 3D concrete model and full 3D reinforcement, extract drawings and quantity takeoff, reinforcement associative labeling
- BIM management principles and collaboration

Organising committee

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

Lectures

Gianmarco Ćurčić Baldini, architect, BIM manager at Baldinistudio d.o.o.

Petar Glušica, civil engineer, BIM manager at Baldinistudio d.o.o.

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 C3, 1st floor

Day 1 9:00 – 15:00

BIM in field of construction, Explaining BIM building model structure, start to design

10.30 - 11.00	Coffee break: cafeteria, -1st floor
12.30 - 13.30	Lunch break: student restaurant, -1st floor

Tuesday, 5/9 Classroom C3, 1st floor

Day 2 9:00 – 15:00

Continuing to model concrete elements and formwork creation

10.30 - 11.00	Coffee break: cafeteria, -1st floor
12.30 - 13.30	Lunch break: student restaurant, -1st floor

Wednesday, 6/9 Classroom C3, 1st floor

Day 3 9:00 – 15:00

Extracting sections and reinforcement placing, preparing printable sheets

10.30 - 11.00	Coffee break: cafeteria, -1st floor
12.30 - 13.30	Lunch break: student restaurant, -1st floor

Thursday, 7/9 Classroom C3, 1st floor

Day 4 9:00 – 15:00

Detailed 3D reinforcement placing using advanced 3D bar and mesh reinforcement

10.30 - 11.00	Coffee break: cafeteria, -1st floor
12.30 - 13.30	Lunch break
18.00 -	City tour (Diocletian's palace)

Friday, 8/9 Classroom C3, 1st floor

Day 5 9:00 – 19:30

BIM collaboration, workflow and data exchange with other participants (other disciplines). Integrating designs from other disciplines into integrated BIM model. BIM model evaluation and checking for collisions

10.30 - 11.00	Coffee break: cafeteria, -1st floor
12.30 - 13.30	Lunch break
13.30 - 15.30	Final projects presentations
	Free time
18.30-19.30	Diploma awarding
19:30 -	Dinner at Faculty restaurant