



SVEUČILIŠTE U SPLITU
FAKULTET GRAĐEVINARSTVA,
ARHITEKTURE I GEODEZIJE

UNIVERSITY OF SPLIT
FACULTY OF CIVIL ENGINEERING,
ARCHITECTURE AND GEODESY

Customised Sustainable Housing for Split 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: Customised Sustainable Housing for Split

Main topics:

Planning principles: Learning from Diocletian's Palace - a livable 'neighbourhood' that has existed for more than 1700 years - as an archetype of adaptable urban ensemble.

Housing typologies: Typological analysis used to encode the rules underlying existing housetypes in Split.

People and places: The role of public space in Mediterranean lifestyle.

Computational approach: The use of shape grammars and parametric design to create an algorithmic description of sustainable housing and urban design types.



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

Organising committee

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



Lecturers

Prof. Neno Kezić, architect	Prof. Hrvoje Njirić, architect	dr. sc. Ana Šverko, d.i.a.	Dino Perčić, mag. ing. arh. and urb.
			
Lisa Domenica Iulo, RA, LEED AP	Dr. José Pinto Duarte		
			

Program structure

Sunday, 3/9 Faculty Entry hall

19.30-21.00	Registration
21.00 - ...	Welcome and address by Organising Committee
20.00-21.00	Lecture: Diocletian`s Palace as an urban design model

Monday, 4/9 Classroom B2, 4th floor

9.00 – 10.30	Field tour and lecture: Visit to Diocletian’s Palace and the selected workshop site
10.30 - 11.00	Coffee break
11.00 - 13.00	Field tour and lecture: Visit to Diocletian’s Palace and the selected workshop site
13.30 - 14.30	Lunch break: student restaurant
14.30 - 15.30	Lecture: Mass Customization
15.30-16.30	Lecture: Shape Grammar Basics



16.30-18.00	Work session: Grammar Basics. Practical work in groups with a supervising team
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Tuesday, 5/9 Classroom B2, 4th floor

09.00 – 10.00	Lecture: Case Study: Malagueira Grammar Lecture
10.00 - 10.30	Coffee break: cafeteria, -1 st floor
10.30 - 12.30	Work session: Malagueira Grammar. Practical work in groups with a supervising team
12.30 - 13.30	Lunch break: student restaurant, -1 st floor
13.30 - 14.30	Lecture: Presentation of case studies in Split
14.30-15.30	Lecture: Transformations in Design
15.30-17.30	Work session: Study of Case Studies. Practical work in groups with a supervising team

Wednesday, 6/9 Classroom B2, 4th floor

09.00 - 10.00	Lecture: Urban Grammar
10.00 - 10.30	Work session: Grammars. Practical work in groups with a supervising team
10.30 - 11.00	Coffee break: cafeteria, -1 st floor
11.00 - 13.30	Work session: Grammars. Practical work in groups with a supervising team
13.30 - 14.30	Lunch break: student restaurant, -1 st floor
14.30-15.30	Lecture: Sustainability
15.30-17.30	Work session: Grammars. Practical work in groups with a supervising team

Thursday, 7/9 Classroom C4, 4th floor

09.00 – 10:30	Work session: Grammars. Practical work in groups with a supervising team
10.30 - 11.00	Coffee break: cafeteria, -1 st floor
11.00 – 12.30	Work session: Grammars. Practical work in groups with a supervising team
12.30 - 13.30	Lunch break: student restaurant, -1st floor
13.30 – 15.00	Work session: Grammars.



	Practical work in groups with a supervising team
18.00 -	City tour (Diocletian's palace)

Friday, 8/9 Classroom C4, 4th floor

09.00 – 10.30	Work session: Grammars. Practical work in groups with a supervising team
10.30 - 11.00	Coffee break: cafeteria, -1 st floor
11.00 – 12.30	Work session: Grammars. Practical work in groups with a supervising team
12.30 - 13.30	Lunch break
13.30 - 15.30	Project Final Presentation and Evaluation
	Free time
18.30-19.30	Diploma awarding
19:30 -	Dinner at Faculty restaurant



Learning materials

E-learning

<http://cigla.gradst.hr/moodle26/>

Literature

- Duarte, J.P.; Beirão, J.N.; Towards a methodology for flexible urban design: designing with urban patterns and shape grammars, in Environment and Planning B: planning and design. Vol. 38 (5) 2012, pp. 879-902.
- Duarte, J.P.; Rocha, J.; Ducla-Soares, G.; Unveiling the structure of the Marrakech Medina: A Shape Grammar and an Interpreter for Generating Urban Form, in Gero, J., Dong, A. (eds.), AIEDAM Artificial Intelligence for Engineering Design, Analysis and Manufacturing, volume 21, 2007, pp. 1-33.
- Duarte, J.P.; Towards the Mass Customization of Housing: the grammar of Siza's houses at Malagueira, in Environment and Planning B: Planning and Design, volume 32 (3), May 2005, pp. 347-380.
- Leach, N. (ed.), AD Digital Cities (London: Wiley, 2009)
- Lee, Christopher C. M. (ed.), AD Typological Urbanism: Projective Cities (London: Wiley, 2011)
- Ungers, M., Morphologie: City Metaphors (Cologne, Verlag der Buchhandlung Walter Koenig, 3rd edition 2012)
- Lynch, K., The Image of the City (Cambridge: MIT Press, 1960)
- Hertzberger, H., Lessons for Students in Architecture (010 Publishers, Rotterdam, 2005)
- Rossi, A., The Architecture of the City (Cambridge: MIT Press, 1982)
- Šverko, A., A City is (not) a House. A Dialogue Between the New and the Old Split (Zagreb: UPI2M books, 2016)
- Stiny, G. (1980). Introduction to shape and shape grammars, Environment and Planning B. 7:343-351.
- Darovan Tušek, editor, Split: 20th Century Architecture (Zagreb: FGAG, 2011)

