

Name subjects :		SUSTAINABLE ARCHITECTURE		
Code subjects	Case status	Semester	Number of ECTS credits	Number of lessons (weekly)
PL10A	Required	Summer (II)	6	2P+2V

Study programs for which it is organized : Postgraduate Polytechnic of UDG

Conditionality other Subjects : None.

Idea studies subjects : Sustainability in different segments functioning modern civilization is one of the most current and the most important areas scientific research . When talking about architecture , sustainability is a topic which arises on foundations ubiquitous and obvious " unsustainability " of certain procedures and activities which characterize modern way construction and shaping life environment . Lack of ecological to realize and shortage understanding realistic limitations planetary resources lead to accumulation problems that are reflected in everything more pronounced absence man's behavior which is in accordance with by nature and her/his laws . Subject " Sustainable architecture " for students imposes intensive thinking about architectural designing as important station in the processes that are to turn back modern societies realistic and sustainable concepts coexistence with by nature . In that context architecture is viewed not only as exact and materialized factor man's spatial environment , but and as a " tool " with which , if done correctly and rationally uses , can to solve certain problems sustainability , whether it is about ecology or energy or about different cultural and aesthetic needs modern society .

Goals studies Subject : Objective teaching on in the subject " Sustainable architecture " is that at students strengthen focus towards the problems that concern architectural concepts that can to cause different consequences for quality man's environment , conservation ecological environment in which life takes place takes place and many others parameters sustainability (economic , energy , ecological ...) that are imposed during process architectural design . Matter which is students presents connects the most diverse architectural methods with which the spatial ones are reached and technological solutions which are quality and " sustainable " in widest sense that concept . In other words in words , on the course is being considered general quality designer process which indirectly raises and improves sustainability as key concept thoughts in the present which , along with learning on examples from of the past (tradition) , builds a legacy for the future .

Outcomes learning : A student who is successful overcome this one subject , will be able to :

1. Relations basic concepts related to with sustainable architecture and sustainable development ;
2. Relationships and application basic concepts architectural design sustainable architecture ;
3. About the government basics terms : green architecture , bio- climatic architecture , energy efficient construction etc . ;
4. Relationships complex relationships and connections between traditional shape sustainability and contemporary tendency

Name and last name teacher and associates : prof. arch . Milan Vujović, MSc

Teaching method and overcoming materials : lectures

WORK PLAN

Sunday : Name methodological unit for lectures (P), exercises (V) and others teaching contents (O); Planned shape checks knowledge (Pz)

Preparatory Sunday Introduction , preparation and enrollment semester .

And Sunday P/V Introduction , goals , work plan

II P/V Concept sustainability in architecture

III P/V Architecture as natural process

IV P/V Context , morphology , topology

V P/V Typology

VI P/V Concept sustainable design

VII P/V Authenticity in architecture

VIII P/V Tradition and heritage (climate , geography ...)

IX P/V Structure architectural work

X P/V Case study analysis case)

XI P/V Case study analysis case)

XII P/V Vernacular architecture

XIII P/V Natural materials in architecture

XIV P/V Technology construction (local & global)

XV P/V Construction inheritance and heritage

XVI PZ Final exam (lecture) project)

Obligations student in progress teaching : lectures

Consultations by e- mail : YES

Load student

Weekly 6 credits x 40/30 = 8 hours

2 hours lectures

2 hours exercise

4 hours independent work , including consultations .

In the semester : total workload for the subject 6x30 = 180h

Structure : Teaching and final exam : 8 hours x 16 weeks = 128 hours

Necessary preparations before beginning semester (administration , enrollment , certification) : 8hx2=16h

Additional preparation work and laying remedial exam time : 0-36h

Literature :

Thomas R., Fordham M. (ed.)(2005) Sustainable Urban Design : An Environmental Approach, London, NY: Spon Press Reeds, J. (2011). Smart Growth - From sprawl to sustainability. UK: Green Books. Cody, B. (2020) *Form Follows Energy* . London: Routledge. Kosorić, V. (1995) *Ecological house* . Belgrade: Construction book . Cvijić, J. (1987). Balkan peninsula and South Slavic nations , Collected works. Belgrade, Serbia : SANU, Književne novine, Institute for Textbooks and teaching funds .

Shapes checks knowledge and evaluation : Rating will to be formed on next Method : Semester (seminar) work - 100 points

Rating	10	9	8	7	6
Number point	90-100	80-89	70-79	60-69	50-59