



Меѓународен Универзитет Визион - International Vision University  
 University Ndërkombëtar Vizion - International Vision University

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**ITEM LAYOUT  
 (SYIABUS)**

SUBJECT TITLE	SUBJECT CODE	SEMESTAR	TOTAL AVAILABLE FUND OF HOURS	ECTS
INSTALLATIONS IN ARCHITECTURE	ARC-3011	6	150	5

<b>It's a pre-inseparable note predmetot</b>	yes/no
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<b>Subject language</b>	Macedonian, Turkish, English
<b>Subject type</b>	Election
<b>Degree</b>	First cycle of studies
<b>Subject transmitter</b>	
<b>Subject assistants</b>	
<b>Classroom</b>	Online
<b>Out-of-hours consultations / Classes and place</b>	

<b>The purpose of the subject matter</b>	Priority goals are located in the importance of the uncalculated use of installations by allocation of knowledge in the fields of water and sewage, heating and ventilation, and electrical installations. The objectives of the curriculum are to introduce and empower students with the principles and methods of analysing certain architectural problems set out in thematic areas for the use of practical relevant scientific methods and techniques for planning, designing, as well as proper installation installations in the facilities. The knowledge gained should be successfully implemented in the process of design, performance and supervision.
<b>Subject learning results</b>	Methods of mastering teaching matter stem from systemic analysis of the problem and its structuring in mathematical-logical patterns, as well as other developmental methods that treat the problem state in achieving comfort, economy and quality in objects.
<b>Program content</b>	The curriculum treats the problem of installations, which includes the following programming objectives: Water supply to the settlements. Performance of water installations. Internal (house) water supply. Design and calculation of internal (house) water supply. Fire installations. Sewage systems and schemes of channel networks in settlements. Internal (house) sewage. Design and calculation of internal (house) sewage. Discharges of roof surfaces and dimensioning of gutters. Types and characteristics of heating systems. Warm-up bodies. Natural and artificial ventilation.

	Introduction of electrical installations in a building. Divorce and performance of an electrical grid. Light sources and their application in architecture. Lamps and lighting mode. Lightning installation and lightning rod species.
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### DISTRIBUTE TOPICS BY TIME

Sunday	Theme	Preliminary preparations
1	Water supply to settlements	
2	Performance of water installations	
3	internal (house) water supply	
4	Design and calculation of internal (house) water supply. Fire installations.	
5	Sewerage systems and schemes of channel networks in settlements	
6	Internal (house) sewage	
7	Design and calculation of internal (house) sewage. Discharges of roof surfaces and dimensioning of gutters.	
8	Types and characteristics of heating systems	
9	Compassion, toposomatic/psychosomatic mapping Functions – effects qualitative and energy values, formal/architectural elements	
10	Warm up the bodies. Natural and artificial ventilation.	
11	Introduction of electrical installations in a building. Divorce and performance of an electrical grid	
12	Light sources and their application in architecture. Lamps and lighting mode. Lightning installation and lightning rod species	

### ECTS TABLE AND TIME FUND

Presentation / Seminar			
Study outside class (preliminary preparation and improvement)	14	3	42
Colloquium	1	12	12
Exam	1	14	14
<b>Total load on the object</b>			
<b>ECTS</b>		<b>5</b>	

### GENERAL PRINCIPLES FOR THE SUBJECT MATTER

Respected students,

To be part of the subject, learn lessons completely and achieve success, you must come to every lesson prepared by reading basic and additional literature. We expect you to adhere to hours, not to interrupt classes unless absolutely necessary, Actively participate in the lesson, communicate with your teacher and classmates and be

active in discussions. At the beginning, middle or end of each lesson Students attending all classes during the semester will also be awarded a 15-point attendance score, in addition to the exam assessment.

## LITTERATURA

Zadolžitelna lyteratrtra		
No	Naslov	Avtor, izdavach, godina
1	<i>Installations</i> , script, Skopje, 2008	Teofilovska Bojarijeva Tamara
2	<i>House sewage</i> , Zagreb, 2001	Tushar B
3	<i>Settlement Sewers</i> , Split 1998	Margeta J

Additional literature		
No	Naslov	Avtor, izdavach, godina
1	<i>Water supply and sewerage of settlements</i> , Belgrade, 1987	Milojevic M
2	<i>Installations in buildings</i> , Niš, 1985	Iguatović L

### Criterioni for a father (BODOVI-OCENA)

Kriteriumi for the father	Number	SUBJECT TO CONTRIBUTION
Presence	14	% 10
Project/ activity	1	% 30
Colloquium	1	% 30
Exam	1	% 30
<b>TOTAL</b>	<b>14</b>	<b>%100</b>

## CODE ON ETHICS AT THE UNIVERSITY

In cases of cheating or attempting to make copies of exams, the appropriate disciplinary rules in the legislation of the Ministry of Education and Vision International University are expected to never support such behavior.