



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
DESIGN OF PUBLIC FACILITIES 2	ARC-2007	4	180	6

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

The purpose of the subject matter	The purpose of the subject is to familiarize yourself with the problems associated with the design of industrial production facilities. The design of these objects covers the problems of spatial composition as a result of the production processes and the fitting of various machine-technological devices and processes, in the general architectural-constructive composition. The subject also covers the problems of shaping the urban whole of complexes, the concentration of traffic, employees and the transport of large amounts of materials that are imaginable in shaping such facilities by applying complex constructive systems. Students are familiar with the problems of organizing, functioning and principles in the design and construction of buildings and architectural-urban wholes in the field of commercial-agrarian buildings and complexes. Particular attention is also paid to the study of the characteristic typology of architectural and urban units depending on purpose, programming needs and organization
Subject learning results	Methods of mastering teaching matter are derived from analytical architecture theory and develop the ability to dismember the project process of its intelligent components and restructure them into possible programming scenarios that vary concepts of formalization.
Program content	<ul style="list-style-type: none"> • A look at industrial development in the design and construction of industrial facilities by pointing to more important authors of new ideas. • Criteria, external and internal for choosing the location of industrial facilities and complexes. General criteria for industry division. Industrial zones, industrial complexes and internal zoning of complexes. • Spatial systems of construction of industrial complexes, installations, technological processes and principles of production organization. Analytical and synthetic systems of industrial production. Continuous and discounted production flow. • Organization of traffic in industrial complexes and production halls. External and internal transport. • Analysis of compositional conditions: technological process, jobs [types], dimensioning of workshop spaces [halls].

	<ul style="list-style-type: none"> • Interior in industrial buildings. Microclimate features for the workplace. Entering daylight and applying color from the point of view of safety and comfort of the working environment. • Equipment and performance of the production halls. Spatially constructive systems and types of halls. Criteria for choosing the appropriate material for the construction of halls. Constructive architectural features and structures of reinforced concrete, steel and wood. • Storage facilities, types of warehouses. Types of means of horizontal, vertical and combined transport. Preparation of materials for transport, palletization and containerization. • Support spaces in industrial complexes. Entrance facilities, doormen, restaurants and kitchens, ambulances, wardrobes, sanitary nodes. Administrative buildings and laboratories. Garages and fire spaces, repair workshops. Energy facilities. • The business yard as a basic production unit, its organization, the division of work zones. Content, size and typology. • Complex construction systems, location selection conditions and complex zoning. • Storage facilities in business yards, way of storing products. Functional, architectural and constructive design of warehouses. • Storage typologies: • Processing facilities for products from the holding • Station facilities, division, construction method and equipment in the rooms. • Veterinary facilities and complexes.
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DISTRIBUTE TOPICS BY TIME

Sunday	Theme	Preliminary preparations
1	Storage for grain food [cereals].	
2	Principles of ventilation of storage facilities Thermal insulation of above-ground storage	
3	Warehouses for silage food Storage for kabasta [volatile] food [seno and straw]	
4	Milk and dairy processing and processing facilities - dairy	
5	Bakery	
6	Project program for the construction of rooms and complexes.	
7	Microclimatic conditions in residential facilities, ventilation and warming.	
8	Familiarize yourself with the characteristics and principles of designing the buildings.	
9	The staging facilities for horses, cows, pigs, poultry, goats and sheep.	
10	Station facilities, division, construction method and equipment in the rooms.	
11	Veterinary facilities and complexes.	
12	Consultations (seed task)	

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
Total load on the object			
ECTS		6	

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	Industriebau-entwurfs-und konstruktionasatlas, Werlag Georg. D.W. Gallwey, Munchen, 1961	Henn Walter
2	Internationale beispile, Werlag Georg, D.W. Callwey, Munchen, 1962	Henn Walter
3	Industrial complexes and building, GK, 1980	Vojislav Damjanović

Additional literature		
No	Naslov	Avtor, izdavach, godina
1	Industrial Buildings, A design manual, Birkhäuser, Berlin, 2004	Jürgen Adam, Katharina Hausmann, Fran Jüttner,
2	The Function Of Form, Actar, Harvard University Graduate School Of Design, 2009	Farshid Mousavi,

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
TOTAL	14	%100

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.

