

# MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA

Federal State Educational Institute of Higher Education  
"Moscow Architectural Institute (State Academy)"

## ANNOTATION TO THE WORK PROGRAM OF THE DISCIPLINE (MODULE) Modern Architecture (B1.O.21)

Assigned to the department:	<b>Soviet Architecture and Modern Architecture of the World</b>
Educational Level:	<b>Bachelor</b>
Specialization:	<b>07.03.01 Architecture</b>
Basic professional educational program of higher education:	<b>Architecture</b>
Form of study:	<b>full-time</b>
Hours/credits:	<b>108 hrs (3 credits)</b>

The work program for a discipline (module) is based on:

1. Federal State Educational Standard for Higher Education 07.03.01 Architecture, approved by the order of the Ministry of Education and Science of Russia No 509 of 08.06.2017
  2. Curriculum for the specialization 07.03.01 Architecture, approved by the Academic Council of MARCHI. Minutes No 6-18/19 of 27.03.2019.
- The work program of the discipline (module) was approved at a department meeting. Minutes: No 5 of 02.07.2019.

Developers: Professor of the Department "Soviet Architecture and Modern Architecture of the World", PhD, professor N.L.Pavlov; assistant professor of the Department "Soviet Architecture and Modern Architecture of the World", PhD E.V.Ermolenko

Reviewers: Academician of Russian Academy of Architecture and Building Sciences, PhD in Architecture, A.P.Kudryavtsev; professor, PhD in Architecture O.I.Yaveyn

### INTRODUCTORY PART

#### 1. Goals of Mastering the Module

Section 1. Formation of the foundations of a systematic understanding of the essence of the profession of architect, the place and role of the profession in the process of formation and development of cultures, society and the state. To successfully master the first part of the discipline, read in the 1st semester of the 1st year, the student must have an initial level of training based on general cultural level. Section 2. Familiarization of the student with the main modern problems of architectural and urban planning practice, possible approaches to their resolution.

#### As a result of mastering the discipline, the student must:

**Know:** Section 1. Generally accepted moral and legal norms in society. The social and cultural paradigm of the countries of the world and how its influence on the development of architecture. Section 2. Generally accepted moral and legal norms in society. Various world cultures, their peculiarities, their influence on architecture. The social and cultural paradigm of the countries of the world, the influence and interaction with architecture. The initial level of knowledge about architecture, various styles. Knows in general terms the methods of analysis and evaluation of an architectural object. Main problems of modern architecture and urban planning. The main directions and aspects of professional activity.

**Be able to:** Section 1. Observe and track individual trends in the evolution of architecture. Competently express thoughts and judgments. Section 2. Analyze controversial situations. Compare cultural differences in the worldview of people in different countries of the world. Competently express ideas, professionally organize teamwork, find compromise solutions in controversial situations. Collect and organize received information. Conduct a comprehensive analysis and assessment of a building, a complex of buildings or its individual fragments. Professionally create and present conclusions obtained as a result of the analysis of modern problems of architecture and/or urban planning. Express own judgment about architectural solutions of domestic and foreign design and construction practice. Be guided by professional literature and refer to it competently. Compose critical reviews, competently argue for this or that professional decision.

## 2. The Place of the Module in the Educational Program of the Institute

2.1. The discipline in the 1st semester of the 1st year is designed for the level of knowledge of a freshman.

The student must have an initial level preparation for an architectural university, dictated by the general cultural level. It assumes the ability to navigate the issues and problems raised. In terms of its significance, this is primarily an introductory course. 9th semester involves knowledge of various world cultures, their peculiarities, influence on architecture; knowledge of various architectural styles, main characteristics of works of leading architects.

2.2. A list of subsequent academic disciplines that require knowledge, skills and abilities formed by this academic discipline:

Subsequent disciplines:

Architectural Projects Level 1;

Architectural Projects;

History of Architecture;

Final State certification

Undergraduate practice

## 3. Requirements for the results of mastering the discipline (module)

The study of this discipline is aimed at developing in students the following competencies in accordance with competency achievement indicators:

UC-5. Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts.

UC-5.1. knows how to: Comply with the laws of professional ethics. use the foundations of historical, philosophical and cultural knowledge to develop a personal worldview. Respect and take care of the historical and cultural heritage, cultural traditions, tolerate social and cultural differences. Accept moral obligations towards nature, society, other people and yourself.

UC-5.2. knows: Laws of professional ethics. The role of humanistic values for the preservation and development of modern civilization. Fundamentals of historical, philosophical, cultural disciplines.

## Main Part

### 1. Module Scope and Types of Academic Work

Type of academic work	Hours	Semesters / Trimesters			
		1	9		
<b>Classroom work</b>	<b>70</b>	<b>34</b>	<b>36</b>		
Lectures (LEC)	48	32	16		
Practical lessons (PR)		0	0		
Work in groups (GR)	16	0	16		
Classroom time spent during attestations (AT)	6	2	4		
Self-preparation for the exam (SP)	32	0	32		
Independent work	6	2	4		
<b>Type of intermediate attestation</b>		test	exam		
<b>Total hours:</b>	108	36	72		
<b>Credits:</b>	3	1	2		

1 credit = 36 academic hours.

### 2. Sub-modules, topics and types of educational activities

Se- mes- ter	Sub- mo- dule	Topic	LEC	PR	GR	AT	SP	Total hours
1	1	Section 1. Introductory lecture. The essence of the profession and types of specialization. The place of architecture in world culture.	2					0
1	1	Natural origins and foundations of architecture. Architectural metrics and human morphology	2					2

Se- mes- ter	Sub- mo- dule	Topic	LEC	PR	GR	AT	SP	Total hours
1	1	Natural origins and foundations of architecture. Historical process of development of construction technologies	2					2
1	1	Basic natural factors as means of constructing architecture and as means of visually representing the laws of nature. Sun Theme.	2					2
1	1	Basic natural factors as means of constructing architecture and as means of visually representing the laws of nature. Water Theme.	2					2
1	1	Basic natural factors as means of constructing architecture and as means of visually representing the laws of nature. Time Theme.	2					2
1	1	Architectural space. Physical properties. Perception of space. The space of creation and the space of communication. Their interaction in architecture, urban planning and culture.	2					2
1	1	Architect as organizer of construction and evolution of space for human and social life	2				1	3
1	1	Organization of the space of a human home	2					2
1	1	Organization of the space of a public building	2					2
1	1	Organization of the space of religious structures	2					2
1	1	Organization of open public space	2					2
1	1	Communication function and architectural space.	2					2
1	1	Communication function. Three main forms of communicative function. Spatial deployment of communication structures.	2				1	3
1	1	Human settlement. A regular town.	2					2
1	1	Natural town. Spatial organization of a natural Russian town. The town presents itself to the outside world.	2					2
1	1	Architecture in the context of culture. Social and legal status of an architect.	2			2		4
<b>Total in semester:</b>								<b>36</b>
9	2	General concepts and content of architectural and urban planning activities.	2					2
9	2	Practical seminar.			2			2
9	2	The main problems of modern architectural practice	2					2
9	2	Practical seminar.			2		1	3
9	2	Modern functional and spatial organization of the living environment of humans and society	2					2
9	2	Practical seminar.			2		1	3
9	2	Modern problems of architecture, urban planning, design in the context of cultural, social, economic and technological aspects of the evolution of society. Part 1	2					2
9	2	Practical seminar.			2			2
9	2	Modern problems of architecture, urban planning, design in the context of cultural, social, economic and technological aspects of the evolution of society. Part 2	2					2
9	2	Practical seminar.			2		1	3
9	2	Social significance of the profession of architect.	2					2
9	2	Practical seminar.			2	1		3
9	2	Status of the profession and legal relations in the process of carrying out architectural and urban planning activities, part 1	2					2
9	2	Practical seminar.			2	1		3
9	2	Status of the profession and legal relations in the process of	2					2

Se- mes- ter	Sub- mo- dule	Topic	LEC	PR	GR	AT	SP	Total hours
		carrying out architectural and urban planning activities, part 2						
9	2	Exam			2	2		4
<b>Total in semester:</b>								<b>40</b>
<b>Total:</b>								<b>76</b>

The Fund of Assessment Tools is a mandatory section of the Work Program of the Discipline (WPD) (developed as a separate document).

Note: The Fund of Assessment Tools - a set of assessment materials as well as a description of forms and procedures designed to determine the level of student achievement of established learning outcomes.