

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

**O. M. BEKETOV NATIONAL UNIVERSITY
of URBAN ECONOMY in KHARKIV**

METHODOLOGICAL RECOMMENDATIONS

for independent work
on the discipline

**«HISTORY OF ARCHITECTURE, URBAN
PLANNING, ARTS AND DESIGN.
THE ANCIENT WORLD»**

*(for 1-st year foreign students of full-time education,
educational specialty 191 – Architecture and urban-planning)*



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Methodological recommendations for independent work on the discipline «History of architecture, urban planning, arts and design. The Ancient world» (for 1-st year foreign students of full-time education, educational specialty 191 – Architecture and urban planning) / O. M. Beketov National University of Urban Economy in Kharkiv ; L. Martyshova. – Kharkiv : O. M. Beketov NUUE, 2021.– 16 p.

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CONTENT

INTRODUCTION.....	4
1. The academic discipline content according to the content modules and themes.....	6
2. Organizational and methodological recommendations.....	7
3. Requirements for completion of tasks.....	8
3.1 Independent work.....	8
3.2 Distribution of points received by students.....	8
4. Questions for independent preparation according to the content modules	9
5. Means of control and structure of credit	12
LIST OF RECOMMENDED SOURCES	14

INTRODUCTION

The discipline “History of architecture, urban planning, arts and design. The Ancient world” is one of the basic among the normative disciplines of the educational level “Bachelor” in the educational program “Architecture” specialty 191 – Architecture and Urban Planning.

Interdisciplinary connections

The study of this discipline is directly based on the basic knowledge of general secondary education and is preceding the disciplines: history of architecture urban planning, arts and design from the Renaissance to Modernism, the typology of buildings and structures, the history of architecture of Ukraine.

Discipline “**History of architecture, urban planning, arts and design. The Ancient world**” consists of the following content modules (further – CM):

MODULE 1 History of the art of architecture, urban planning of the ancient world

Content module 1 Ancient architecture, urban planning and art of Egypt and the Mesopotamia.

Content module 2 History of architecture, urban planning and art of antiquity (Greece).

Content module 3 History of architecture, urban planning and art of antiquity (Rome).

The purpose of the discipline – based on historical experience, to consider the phenomenon of world architecture from antiquity to the Middle Ages to analyze the monuments of architecture, urban planning and art.

Tasks of studying the discipline:

- awareness of the historical architectural heritage and its role in the social and professional activities of the architect.

- awareness of the phenomenon of world architecture – from ancient to medieval.

The program learning outcomes is:

- analyze the features of historical styles in architecture, urban planning, art and design;
- be able to collect and evaluate information from various sources for further use in architectural and urban planning;
- analyze the architectural and compositional features of architectural monuments;
- to apply in practice artistic and compositional principles on the basis of the received theoretical knowledge at designing of the architectural environment.

Methods of control and the procedure for assessing learning outcomes

Given the theoretical direction of the discipline, the main methods of control are:

- testing in a virtual educational environment on the MOODLE platform;
- current written control (tests based on the results of content modules);
- final control (exam).

Assessment is carried out according to the accumulative system in four stages: three content modules and final control in the form of an exam.

1 THE ACADEMIC DISCIPLINE CONTENT ACCORDING TO THE CONTENT MODULES AND THEMES

MODULE 1 (semester 1)

History of architecture, urban planning, art and design. The ancient world.

Content module 1. Ancient architecture, urban planning and art of Egypt and the Mesopotamia.

The preconditions for the emergence of ancient architecture, urban planning and art of Egypt and the Mesopotamia are considered and analyzed. In this context, special attention is paid to the architectural solution of religious buildings and complexes, their compositional-planning, artistic-architectural and constructive

organization. It features the most outstanding architectural sites of Ancient Egypt and the Mesopotamia. Particular attention is paid to the characteristics of the order system.

Theme 1.1. Ancient architecture, urban planning and art of Egypt.

Theme 1.2. Architecture of Ancient Egypt temple complexes.

Theme 1.3. Ancient architecture and art of Mesopotamia.

Content module 2. History of architecture, urban planning and art of antiquity (Greece).

The preconditions for the emergence of ancient architecture are considered and analyzed. Particular attention is paid to the characteristics of the order system of ancient Greece. In this context, special attention is paid to the architectural solution of temple complexes, their compositional-planning, artistic-architectural and design features.

Theme 2.1. Ancient architecture, urban planning and art of Ancient Greece.

Theme 2.2. Features of the Greek architecture development.

Content module 3. History of architecture, urban planning and art of antiquity (Rome).

In continuation of the study of ancient architecture, the development of architecture, urban planning and art of ancient Rome is analyzed. Features of development of Roman architecture are studied: temples, villas, apartment houses, basilicas of triumphal arches, engineering constructions. The most outstanding architectural cult and public buildings of Ancient Rome are characterized.

Theme 3.1. Ancient architecture, urban planning and art of Rome.

Theme 3.2. Features of the Roman architecture development.

2 ORGANIZATIONAL AND METHODOLOGICAL RECOMMENDATIONS

The method of teaching the course “History of architecture, urban planning,

arts and design. The Ancient world” involves working in a dialogue mode of the teacher with students and is designed for 30 hours of lectures and 90 hours of independent work.

For students to understand the structure of the educational process and the connection between lectures and independent work, this section is presented in the form of structural and content tables that include information on the content, structure and distribution of themes and brief recommendations for independent work.

3 REQUIREMENTS FOR COMPLETION OF TASKS

Test work on theoretical material and independent work on the material of CM represent a synthesis of written and graphic work, which gives an idea of how student understands the studied material. The implementation of the graphic part develops the student's skill not only of spatial thinking (known as a main useful skill for architectures), but also makes it possible to understand the specifics of both work of art, architecture and urban planning. This skill develops basic professional skills and is the core skill for the speciality “191 – Architecture and urban planning”. That's why graphic tasks on the themes of lectures should be performed manually carefully and precisely on the structure of questions, clearly, on a large scale and accurately.

The main component of graphic works is the analysis and conscious reflection of historical objects of art, architecture and urban planning and their elements, landscape features and spatial elements of the structure of urban complexes and architectural ensembles with a certain generalization or schematic.

It is important to have a text part (annotation), which reveals and complements the work theoretically, reveals the student's understanding of the essence of the task. All text inscriptions are executed accurately, manually, in an architectural font. Compositionally, the text should be consistent with the drawings.

The work is performed by the student on A3 format papers in a graphic manner (ink and pen, liner or felt-tip pen, gel or ballpoint pen). Each work must have a number and a formulated topic of the task, be signed by the student, indicating the group and name.

3.1 Independent work

Table 1 – Types of independent works

№	Theme names	Number of hours
Content module 1 Ancient architecture, urban planning and art of Egypt and the Mesopotamia		20
1	Test work on theoretical material of CM 1 (written / testing)	15
2	Independent work on the material of CM 1 (lecture notes)	5
Content module 2 History of architecture, urban planning and art of antiquity (Greece)		35
4	Test work on theoretical material of CM 2 (written / testing)	15
5	Independent work on the material of CM 2 (lecture notes)	5
Content module 3 History of architecture, urban planning and art of antiquity (Rome)		20
6	Test work on theoretical material of CM 3 (written / testing)	10
7	Independent work on the material of CM 3 (implementation of the abstract and presentation)	5
Final control		15
Total		90

3.2 Distribution of points received by students

Table 2 – Distribution of points

Current and semester certification and independent work			Final control (exam)	Sum (of points for all types of educational activities)
Content module 1	Content module 2	Content module 3		
25	25	20	30	100

4 QUESTIONS FOR INDEPENDENT PREPARATION ACCORDING TO THE CONTENT MODULES

QUESTIONS FOR INDEPENDENT PREPARATION FOR CM 1

1. Give a definition of the concepts of "art" and "architecture".
2. What are the three main types of the visual arts?
3. What period does architecture originate? Give examples of the first buildings.
4. What was the basic principle used by humanity in their first homes? Give examples.
5. What were the first human structures on earth? Give examples.
6. What are megalithic structures? List the types and give examples.
7. What are the features of the cromlech structure? Stonehenge.
8. What are log structures?
9. List the main types of the first structures of the underground and semi-underground type.
10. Name the types of ground structures (on the surface of the earth). Give a brief description.
11. Name the type of the first simplest structural system. Give an example.
12. List the main characteristics of the landscape for the construction of the first settlements.
13. Give a description of the first settlements and name the main elements of the settlement.
14. What territory of the globe was first developed by man? Name the first states.
15. Describe the landscape situation of the territory of Ancient Egypt.
16. What is the peculiarity of the artistic culture of the states of the Ancient East. Which of the arts was dominant and why?
17. How important was religion in the life of the Egyptians and why?
18. What was the significance of the river in Ancient Egypt? Give an example.
19. List the main periods in the development of art and architecture of Ancient Egypt.
20. Describe the structure of the cities of Ancient Egypt during the early kingdom. Give an example.
21. The main idea of ancient Egyptian art. Give an example.
22. The main characteristics of the funeral structure of Ancient Egypt during the early kingdom. Mastaba.
23. Architectural structures features of Ancient Egypt during the Old Kingdom period. Djoser's pyramid.
24. Memorial complexes structures features of the Ancient Egypt during the period of the Old Kingdom. Giza pyramid complex.
25. Round sculpture canons features of the Ancient Egypt during the Old Kingdom period. Give examples.

26. Egyptian order system. The main types of capitals and columns.
27. Features of in Ancient Egypt during the Middle Kingdom. Fayum oasis.
28. Urban planning features of Ancient Egypt during the Middle Kingdom. Kahun city.
29. The Ancient Egypt complex of structures in Deir el-Bahri during the Middle Kingdom. Temple of Mentuhotep.
30. Complex of Ancient Egypt structures in Deir el-Bahri during the New Kingdom Temple of Hatshepsut.
31. The role of sculpture in the Ancient Egypt architectural complexes. Give examples.
32. Features of complex composition in Thebes. Complexes of the western bank of the Nile during the New Kingdom of Ancient Egypt.
33. Features of complex composition in Thebes. Complexes of the eastern bank of the Nile during the New Kingdom of Ancient Egypt.
34. Temple architecture of Ancient Egypt during the New Kingdom. Temple of Amun at Karnak.
35. Temple architecture of Ancient Egypt during the New Kingdom. Temple of Amun in Luxor.
36. Composition of the pharaohs complexes residences features. Palace building and architecture.
37. The structure of the Ancient Egypt state capital of the New Kingdom period. City of Akhetaton.
38. Temples-tombs structure features during the New Kingdom period. Abu Simbel temple.
39. Ancient Egypt temples structure features during the Late Kingdom. Temple of Horus at Edfu.
40. Describe the landscape situation of the territory of Mesopotamia.
41. List the main periods in the development of art and architecture of Mesopotamia.
42. Characteristic architecture and urban planning features of the state of Sumer.
43. Characteristic features of the central ensemble of the city structure.
44. Temples and temple centers of the Sumer cities. Ziggurat structure.
45. The central ensemble of the Sumer cities. Palaces and residential buildings.
46. Characteristic features of architecture and urban planning during the Ancient Babylonian period. The structure of the Borsippa city.
47. Characteristic features of the architecture and urban planning during the Assyrian period. The structure of the Ashur city.
48. Characteristic features of the architecture and urban planning during the Assyrian period. The structure of the central ensemble of the Dur-Sharrukin city.
49. Features of sculpture during Assyrian period. Lamassu.
50. Typical features of architecture and urban planning during the New Babylonian period. The structure of the Babylon city.
51. Construction features of the central ensemble of the Babylon city.
52. Decorative arts features of the of the New Babylonian period.

QUESTIONS FOR INDEPENDENT PREPARATION FOR CM 2

53. Landscape structure features of Ancient Greece. Development of shipping.
54. Architecture and urban planning features of the Aegean world. Ancient Troy.
55. List the main periods in the development of art and architecture of Ancient Crete.
56. Describe the landscape situation in Crete.
57. Architecture and urban planning features of the Ancient Crete during the Early Minoan period. Tholos.
58. Architecture and urban planning features of the Ancient Crete during the Middle Minoan period. Cities structure features of Gurnia and Knossos.
59. Architecture and urban planning features of the Ancient Crete during the Late Minoan period. Features of the Knossos Palace structure.
60. Architectural ensemble features of Ancient Crete during the Late Minoan period. Order of Knossos and the mythological basis of the palace complex.
61. Urban ensemble structure features of Mycenae.
62. Features of the upper city formation. Mycenaean Acropolis.
63. Features of the urban ensemble structure of Tiryns.
64. Features of the central ensemble of the city formation of Tiryns. Megaron.
65. Features of the domed tombs structure of Tiryns and Mycenae. Tomb of Atreus.
66. List the main periods of Ancient Greece art and architecture development.
67. Describe the landscape situation of Selinunte.
68. Give a definition of the Ancient Greece concepts: polis, agora and acropolis.
69. Urban ensemble structure features during the archaic period of Ancient Greece. Delphi city.
70. Urban ensemble structure features during the archaic period of Ancient Greece. Olympia city.
71. Art of Ancient Greece. The structure of a theater in ancient Greece.
72. Decorative art of ancient Greece. Vase painting.
73. Art of Ancient Greece. Sculpture and relief of the Archaic period.
74. Describe the landscape situation in the Athens region.
75. Urban ensemble structure features of the Athens region.
76. Ensemble structure features of the Ancient Greece classical period. Agora in Athens.
77. Ensemble structure features of the Ancient Greece classical period. Acropolis of Athens.
78. Art of Ancient Greece. Sculpture and relief from the classical period.
79. Urban ensemble structure features of the Hellenistic period. City of Miletus.
80. Urban ensemble structure features of the Hellenistic period. City of Pergamum.
81. Urban ensemble structure features of the Hellenistic period. Priene city.
82. Art of Ancient Greece. Sculpture and relief from the Hellenistic period.

QUESTIONS FOR INDEPENDENT PREPARATION FOR CM 3

83. List the main periods of the Ancient Rome art and architecture development.
84. Describe the landscape situation of Ancient Rome.
85. Urban planning structure features of Ancient Rome during the antique period. Square Rome.
86. Urban planning structure features of Ancient Rome during the kingdom period.
87. Urban planning structure features of Ancient Rome during the republican period.
88. Urban structure features of the Ancient Rome city. Residential area. The main types of residential buildings.
89. Central part structure features of the city. Public buildings. Tabularia.
90. Central part structure features of the city. Roman forums. Forum Romanum.
91. Urban planning structure features of Ancient Rome during the imperial period.
92. Central part structure features of the city. Public buildings. Pantheon.
93. Central part structure features of the city. Public buildings. Coliseum.
94. Central part structure features of the city. Public buildings. Thermes.
95. Central part structure features of the city. Public buildings. Mausoleum.
96. Central part structure features of the city. Public buildings. Triumphal arches.
97. Central part structure features of the city. Engineering structures. Aqueduct.
98. Central part structure features of the city. Engineering structures. Viaduct.
99. Central part structure features of the city. Roman forums. Trajan's Forum.
100. Art of Ancient Rome. Sculpture.
101. Art of Ancient Rome. Portrait and sculptural portrait.
102. Art of Ancient Rome. Mosaic and fresco.
103. Urban planning structure features of Ancient Rome. The city-camp concept.
104. Urban planning structure features of Ancient Rome. The structure and types of provincial cities. Aosta.
105. Urban planning structure features of Ancient Rome. The structure and types of provincial cities. Split.
106. Urban planning structure features of Ancient Rome. The structure and types of provincial cities. Pompeii.
107. Urban planning structure features of Ancient Rome. The structure and types of provincial cities. Baalbek.

5 MEANS OF CONTROL AND STRUCTURE OF CREDIT

For intermediate and final control of students' knowledge are provided (Table 3):

– according to Module 1 – presentation of graphic works provided by practical tasks and independent work, according to questions to each content module;

Table 3 – Types and means of control

Types and means of control (testing, tests, individual tasks, etc.)	Points, %
MODULE 1 Current control on content modules	
CM 1 Graphical tasks with written part (annotation)	25
CM 2 Graphical tasks with written part (annotation)	25
CM 3 Graphical tasks with written part (annotation)	20
Final control on MODULE 1 (exam)	30
Total for module 1	100

Methods of control and the procedure for evaluating learning outcomes

Monitoring and evaluation of learning outcomes includes:

- **current control** – design of albums of graphic tasks on the subject of content modules, performed independent work;
- **final control** – in the form of a written exam.

Grading scale

The sum of points for all types of educational activities	Score on a national scale (for exam)
90–100	Excellent
82–89	Good
74–81	
64–73	
60–63	Satisfactory
35–59	
0–34	Unsatisfactory with the possibility of retaking
	Unsatisfactory with mandatory restudy of the discipline

LIST OF RECOMMENDED SOURCES

Methodical support

1. Martyshova L. History of architecture, urban planning, arts and design. The Ancient world: lectures for 1–st year foreign students of full-time education, educational specialty 191 – Architecture and urban planning / L. Martyshova; O. M. Beketov National University of Urban Economy in Kharkiv. – Kharkiv: O. M. Beketov NUUE, 2021. Access mode: <http://eprints.kname.edu.ua/>

Recommended literature and information resources

1. Архітектура та містобудування первісного суспільства, стародавнього і середньовічного Сходу. Навчальний посібник В. О. Кодін, П. В. Панов, Х. ХНАМГ 2007. – Режим доступу: http://koha.kname.edu.ua/cgi-bin/koha/opacdetail.pl?biblionumber=328&query_desc=kw%2Cwrdl%3A%20%D0%92.%D0%9E.%20%D0%9A%D0%BE%D0%B4%D1%96%D0%BD%2C%20%D0%9F.%D0%92.%20%D0%9F%D0%B0%D0%BD%D0%BE%D0%B2

2. Шубович С. О. Стародавня архітектура: конспект лекцій з курсу «Історія мистецтв, архітектури і містобудування» (для студентів 1-го курсу денної форми навчання напряму підготовки бакалавр 6.060102 «Архітектура») / С. О. Шубович, О. В. Вдовицька; Харк. нац. акад. міськ. госп-ва. – Х.:ХНАМГ, 2011. – 117 с. – Режим доступу: <https://eprints.kname.edu.ua/24844/>

3. Алпатов М. В. Всеобщая история искусства, Т.1. / М. В. Алпатов.– М.: 1948.

4. Брунов Н. И. Очерки по истории архитектуры. / Н. И. Брунов. – Т. 1. – М.: ЗАО Центрполиграф, 2003. – 400 с.

5. Бунин А. В., Саваренская Т. Ф. История градостроительного искусства: В 2-х т. / А. В. Бунин, Т. Ф. Саваренская. – М.: Стройиздат, 1979. – Т. 1: Градостроительство рабовладельческого строя и феодализма. – 495 с.

6. Всеобщая история архитектура: В 12 т./ Научно-исследовательский институт теории, истории и перспективных проблем советской архитектуры. – М.: Стройиздат, 1971. – Т.1: Архитектура древнего мира . – 654 с.
7. Воеводина Л. М. Мифология и культура: Учебное пособие. / Л. М. Воеводина. – М.: Институт общегуманитарных исследований, 2002. – 384 с.
8. Мифы народов мира. Энциклопедия: в 2-х тт. / гл. ред. С. А. Токарев. – М.: Сов. энциклопедия, 1991. – Т.1. – 671 с. Т.2. – 719 с.
9. Мифы в искусстве (по Рене Менау). – М.: Современник, 1996. – 271 с.
10. Саваренская Т. Ф. История градостроительного искусства. Рабовладельческий и феодальный периоды: Учебник для вузов. / Т. Ф. Саваренская. – М.: Архитектура-С, 2004. – 376 с.
11. Тимофієнко В. І. Архітектура і монументальне мистецтво. Терміни і поняття. / В. І. Тимофієнко. – К.: Вид-во інституту проблем сучасного мистецтва, 2002. – 472 с.
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