Fan name	Architectural Design 2.1 (ECTS 6)
Subject/module code	AL1306
Science teachable semesters	3 semester
Attached teacher	Assistant M. Makhamatov and Assistant L. Abdusamatova
Education language	Uzbek
Science type	Mandatory
Study hours (including independent learning)	**Total hours - 180.** **Auditory training hours - 72.** Lecture session hour -0 Practical study hours - 72 **Independent education -108 hour**
ECTS	6
Science goals and objectives / learning outcomes	**The purpose of teaching the subject -** The purpose of teaching the subject is to form knowledge, skills and competences in students about the stages, factors, methods, and types of architectural design, to design and implement it in practice, to supervise, to conduct productive creative activities, and to acquire the necessary professional and personal skills related to construction in general and architecture in particular; **The task of the subject -** The task of the subject is to teach students the features of mastering the architectural design process, as well as to acquire the ability to master the fundamentals of architecture, use appropriate technical tools, form, model, analyze, design and use architectural systems. Learning outcomes: 1. Be able to evaluate the work done in this area; 2. Be able to identify the most effective modern methods and literature related to architectural design; 3. Be able to identify the most effective modern methods and literature related to architectural design; 4. Be able to analyze information related to architectural design 5. In practice taken information analysis do to take and main mechanisms understanding
Course content (topics)	**I. Lecture (L) sessions are not included in the standard curriculum for the subject.** **II. Practical for training instructions and recommendations** The teacher's preparation for a practical session begins with studying the initial documents (curriculum, thematic plan, etc.) and ends with the development of a lesson plan. The teacher should have an idea of the goals and objectives of the practical session, as well as the amount of work that each student must complete. Methodological guidelines are the teacher's main methodological document in preparing and conducting practical classes. The goal of practical training is to understand theory and acquire skills. Its conscious application in educational and professional activities consists in developing the ability to confidently formulate one's own point of view. **Recommended practical topics** : **Practical training (A) -*Project. Architectural formation of a cellular environment. (Implementation of a low-rise (courtyard) residential building project)*** 1. The central theme of the course is architectural design and methods of shaping in architecture. Architectural design processes: the meaning of design activity, introduction to the project program. 2. Determine the nature, technology, territorial location, and architectural and structural requirements of the object on the topic. 3. Functional planning solutions for residential (courtyard) buildings,

	staircase design and fire safety requirements... 4. Complete the first paragraph on the topic in A3 format . 5. Analysis of project elements and regulatory requirements. Development of a sketch idea and variant design solutions... 6. Develop and analyze a sketch solution based on functional processes. Preparation for the final exam... 7. Analysis of the sketch. Methodological implementation of the sketch idea. Formation of the concept of the idea. Execution of the final clausula in A3 format. 8. Analysis and discussion of the final conclusion. Scaling up the project. 9. Initial analysis of the primary creative task . Finalization of the project idea, implementation of the project by composing it on a scale. 10. Analysis of constructive solutions. Formation of history, style and its elements on a scale. 11. Implementation and completion of the project model development at scale. Analysis of the project solution - work on technical and economic indicators. Selection of project graphics. 12. Formulate a letter of explanation and graphically formalize the project. 13. Enter dimensions and write notes in the building design. Work on the entourage part in stylistic and perspective views. 14. Comparison of the project based on artistic and figurative, economic, and efficiency. 15. Graphic design of the project. Execution of the stylistic and perspective parts of the building in the project in color graphics. Processing of the first plan and elements of the building. 16. Completion of graphic modeling and submission of the project. Project discussion and Project defense. **IV. Independent study and independent work.** Independent learning competence serves to support students' independent self-development and increase the effectiveness of professional activities. Students perform independent work on their mobile devices under the guidance of a teacher in a traditional or electronic form. **Recommended topics for independent study:** 1. Drawing up a historical sketch of a building with a facade based on the study of experimental examples of architectural designs developed abroad and within the country (A4 format). 2. Drawing a set of sketches of low-rise buildings based on the study of experimental architectural designs developed abroad and within the country (A4 format). 3. Study of structural systems of low-rise buildings. 4. Drawing stylistic elements of low-rise buildings on the topic. 5. Draw a sketch of utility rooms in low-rise buildings on the topic. 6. The main design solution for a low-rise building on the topic. 7. Drawing up a historical sketch of the building based on the study of architectural project experience samples developed abroad and within the country (A4 format). 8. Work out options for the stages of practical project work being carried out based on the project topic. 9. Study of structural system schemes with cellular, large and complex environments. 10. Drafting and preparation of project work in A4, A3 format . 11. Learning to use graphic tools - watercolor, gouache, colored pencils - when completing the clausura.
Student assessment	Assessment of student knowledge is based on the mastery of teaching

	materials (tests, assignments, written and oral work results) during the semester and final examination. During the Architectural Design 2.1 course, students are evaluated on a 100-point system. Of these, 50 points are allocated to the current and intermediate results (60% of the 50 points are current control, independent study and 40% intermediate control), and 50 points are allocated to the final control result. Students whose total score of current and intermediate points is less than 30 points are not admitted to the final control exam. A student who scores 30 or more points in the final control is considered to have mastered the subject.
Exam requirements	The student must have fully mastered the theoretical and practical concepts of the subject, be able to correctly reflect the results of the analysis. The student must have completed the tasks assigned in the independent work, current and intermediate forms of assessment. At the same time, he must have received the necessary points from the current, intermediate, independent education and final tests in the relevant subject within the specified time. A student who has not submitted current control, intermediate control, and independent learning assignments, as well as who has scored less than 30 points for these assignments and control type, will not be included in the final control type. Also, a student who misses 25 percent or more of the classroom hours allocated to a subject without an excuse will be expelled from that subject, will not be allowed to take the final exam, and will be considered to have not acquired the appropriate credits in that subject. A student who fails a final exam or scores between "0-29.9" on this type of exam is considered an academic delinquent.
Recommendation literature	**Main literature:** 1. SAQodirova, MTAbdujabborova. “Design of residential and public buildings” textbook. - Tashkent.: Nizamiy State Technical University, 2019. – 300 pages. 2. AOXasanov, “Architectural Design” textbook. - Tashkent.: “Architectural Innovation Center”, 2019. – 140 pages. 3. “Architecture of Civil Buildings” Usrov Jamoliddin Tulkinovich Textbook. Publishing house of the typographical department of the Jizzakh State University of Science and Technology, Jizzakh-2026, page 255 4. SHNQ 1.04.02-22, approved by the order of the Minister of Construction and Housing and Communal Services of the Republic of Uzbekistan dated July 9, 2024 No. 01/2-26 5. SHNQ 2.08.01-24, approved by order of the Minister of Construction and Housing and Communal Services of the Republic of Uzbekistan dated August 14, 2024 No. 01/2-57 **Additional literature** 1. Isamukhamdova.DU, Mirzayev.M.K. “Theory of Modern Urban Planning”. Textbook, Tashkent, 2015. 2. Isamukhamdova DU, Adilova LA “Fundamentals of urban planning and landscape architecture”. Textbook. Part 2., “Science and Life” publication. Tashkent, 2012 3. Architectural graphics. XMUbaydullayev. VMMakhmudov. BIInogomov. Textbook. Tashkent 2012. 89 p. **4.** Robin Beaver. 100 More of the World's Best Houses. 2005. **Internet resources** 1. www.gov.uz 2. www.lex.uz 3. http://www.arhitekto.ru 4. http://www.glazychev.ru

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