Fan name	**Architectural Design 3.1 (ECTS 6))**
Subject/module code	AL1506
Science teachable semesters	5 semester
Attached teacher	E. Kuldashev, associate professor, etc. M. Makhamatov is an assistant professor of the "Architectural Design" department.
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
Aims and objectives of science / learning outcomes	**The purpose of teaching science** – 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 science** – to teach students the characteristics of mastering the architectural design process, as well as to acquire a solid understanding of the fundamentals of architecture, the ability to use appropriate technical tools, and the ability to form, model, analyze, design, and use architectural systems.
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 *Community building Project . Cultural and educational center buildings . (Project implementation)*** 1. The community building Project . Buildings of the cultural and educational center. Design principles of buildings of the cultural and educational center; Functional interconnection of group rooms, functional zoning. Assignment on the topic of the cultural and educational center. Conducting a scientific analytical dialogue, familiarization with literature and methodological works. 2. Study the nature, technology, and geographical location of the object on the topic. 3. Technological connection schemes of rooms in the buildings of the cultural and educational center. Correct use of stairs in the design of

	buildings and fire prevention measures. 4. Subject according to building analogy go the object study .. 5. Methodological analysis of project elements, standards, and facility designs. Work on a sketch idea on the topic . Sketch variations . 6. Taking into account functional processes in the sketch idea. Methodological analysis of the sketch. Preparation for the final conclusion . 7. Methodological implementation of the sketch idea. Formation of the concept of the idea. Formation of the solution of the building design Methodological implementation of the sketch idea. Formation of the concept of the idea. Formation of the solution of the building design. Execution of the final enclosure in A3 format. 8. Analysis and discussion of the final conclusion. Scaling up the project. Finish developing the project idea . 9. Compose the project on a scale. Analysis of the constructive solution. Formation of history , style and its elements on a scale . . 10. Project model development on scale to do . 11. Project model development on scale to perform and finish . 12. Drawing up dimensions and notes in the building design. Working out the entourage part in stylistic and perspective views. . 13. Graphic design of the project . 14. Execution of style and perspective parts of the building in the project in color graphics. Perform and complete the graphical modeling . 15. Graph modeling to perform and finish . **III. 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. The role and importance of cultural and educational centers in urban planning. 2. Functional classification of cultural and educational centers. 3. Architectural and planning solutions of cultural and educational centers. 4. Functional zoning of the buildings of the cultural and educational center. 5. Organization of audience and service flows in cultural and educational centers. 6. Volumetric-spatial composition of cultural centers. 7. Modern architectural and compositional solutions of cultural and educational centers. 8. Designing lobbies, vestibules, and public spaces in cultural centers. 9. Architecture of multifunctional cultural and educational centers. 10. Creating a universal and inclusive environment in cultural and educational centers. 11. Creating a comfortable environment for people with disabilities in cultural centers. 12. Natural and artificial lighting solutions in cultural and educational centers. 13. Organization of acoustic environment in cultural centers. 14. The use of modern structural systems in cultural and educational centers.

	15. Architectural and structural features of the design of large-span halls . 16. Design of exhibition halls in cultural centers. 17. Modern architecture of libraries and information resource centers. 18. Features of designing creative circles and study rooms. 19. Architecture of music and dance practice rooms. 20. Design of small and large auditoriums in cultural and educational centers. 21. Functional organization of stage and backstage rooms in cultural centers. 22. Placement of administrative and auxiliary rooms in cultural and educational centers. 23. Artistic and aesthetic solutions for the interior of cultural centers. 24. Landscape and landscaping solutions for cultural and educational centers. 25. Architecture of modern cultural and educational centers for youth. 26. Features of designing children's cultural and educational centers. 27. Placement of cultural centers in historical and cultural environments. 28. The expression of national architectural traditions in the architecture of modern cultural centers. 29. The impact of digital technologies on the architecture of cultural and educational centers. 30. Use of "smart building" technologies in cultural and educational centers. 31. Designing energy-efficient cultural and educational centers. 32. Architecture of ecologically sustainable cultural and educational centers. 33. Modern world experience of cultural and educational centers. 34. Analysis of architectural solutions of cultural centers in the cities of Uzbekistan. 35. Development of a concept for a modern cultural and educational center in the city of Jizzakh.
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 physics 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. **Additional literature** 1. SAQodirova. Design of public buildings. Textbook. - Tashkent. "Architecture Innovation Center", 2015 , 140 pages. 2. MTAbdujabborova. Design of residential buildings. educational manual. Tashkent . “Architectural Innovation Center” . 2015 . 154 pages 3. XMUbaydullaev, TAXidoyatov, YIAbdurakhmanov, GIKorobovsev, Ya.M.Mansurov. Architectural design. Textbook. - Tashkent.: “Architecture is innovative Center”, 2012. – 180 pages. 4. BIInogomov. Design of modern buildings and structures. Textbook. - Tashkent.: “Architecture is innovative center”, 2010. **Information sources** 1. www.ima.uz (Intellectual Property Agency of the Republic of Uzbekistan) 2. www.academy.uz (Academy of Sciences) 3. www.ziyo.net 4. https://didattica.polito.it/pls/portal30/gap.pkg_guide.view Gap?p_cod_ins=01VQDWH&p_a_acc=2027&p_header=S&p_ lang