Course Name	Fundamentals of Architectural Design (ECTS 10)
Subject / Module Code	AKLA1110
Semesters Taught	Semesters 1–2
Assigned Instructor	J. Usarov, Acting Associate Professor (Dotsent v.b.)
Language of Instruction	Uzbek
Course Type	Compulsory
Academic Hours (including independent study)	Total hours – 300. Classroom instruction hours – 120. Lecture hours – 0 Practical training hours – 120 Independent study – 180 hours
ECTS	10
Course Objectives and Tasks / Learning Outcomes	The objective of teaching the course – The purpose of the course "Fundamentals of Architectural Design" is to provide students with the theoretical foundations of architectural and construction design, fundamental concepts and standards of architectural-construction drafting, and computer-aided design principles, as well as to develop practical application skills. To achieve this goal, the course fulfills the tasks of developing theoretical knowledge, practical skills, a methodological approach to computer design, and spatial imagination in students. The tasks of the course – The course "Fundamentals of Architectural Design" is taught based on an educational-methodological complex, including modern pedagogical technologies (developed technological models and roadmaps tailored to the specifics of the discipline); during the computer graphics section, students master the discipline interactively using computers.
Course Content (Topics)	1. Independent construction and drawing of Doric, Ionic, and Corinthian orders based on tables (A3 format). 2. Spatial volume composition (with an interior environment). 3. Spatial volume composition (without an interior environment). 4. Lettering 3 variants of architectural font (A3 format). 5. Rhythm and meter composition. 6. Dynamic and static composition. 7. Expressing static and dynamic states with lines on a surface. 8. Achromatic and chromatic colors.

	9. Spatial volume composition. 10. Symmetrical and asymmetrical composition. 11. Structurally connected composition with an interior environment composed of rod, planar, and volumetric elements. 12. Executing esquisse sketches (clausura) and building models on the theme of volumetric composition with structurally connected rectangular elements. 13. Selecting and determining project scale for mock-up / model making. 14. Cutting and preparing project components according to the selected scale. 15. Beginning model fabrication. 16. Continuing model fabrication (large elements). 17. Continuing model fabrication (main components). 18. Continuing model fabrication (fine details). 19. Developing surrounding landscape of the model, enriching with required materials. 20. Refining and correcting deficiencies in the surrounding landscape of the model. 21. Correcting model defects/deficiencies. 22. Submitting the completed model for evaluation. 23. Basic concepts and principles of architectural composition. 24. Interrelation of form, volume, and space in architectural composition. 25. Formation, structure, and principal elements of the Doric order. 26. Formation, structure, and decorative characteristics of the Ionic order. 27. Formation of the Corinthian order and its role in architecture. 28. Comparative analysis of the Doric, Ionic, and Corinthian orders. 29. Graphical construction and drawing of the Doric order based on a table (A3 format). 30. Graphical construction and drawing of the Ionic order based on a table (A3 format). 31. Graphical construction and drawing of the Corinthian order based on a table (A3 format). 32. Principles of utilizing the classical orders system in architecture. 33. Concept of spatial volume composition and its significance in architecture. 34. Spatial volume composition with an interior environment. 35. Spatial volume composition without an interior environment. 36. Interrelation between volume and void in composition. 37. Identifying primary and secondary elements in spatial volume composition. 38. Compositional possibilities of rod, planar, and volumetric elements. 39. Creating spatial volume compositions based on rod elements. 40. Creating spatial volume compositions based on planar elements. 41. Creating architectural compositions based on volumetric elements. 42. Composition with an interior environment consisting of rod, planar, and volumetric elements. 43. Interaction of volume and planes in the formation of interior space.

	44. Volumetric composition composed of rectangular elements. 45. The role of geometric shapes in spatial volume composition.
Student Assessment	Student assessment is based on mastery indicators of instructional materials throughout the semester and final control (tests, assignments, written and oral work results). During the course, students are evaluated on a 100-point scale. Of this, 50 points are allocated to continuous and midterm assessments (60% of the 50 points to continuous assessment and independent study, and 40% to midterm assessment), and 50 points to the final examination. Students whose combined continuous and midterm score is below 30 points are not admitted to the final exam. A student who scores 30 points or more on the final exam is considered to have successfully passed the course.
Examination Requirements	Students must fully master theoretical and practical concepts of the subject and accurately reflect analysis results. Students must complete assignments given in independent study, continuous assessment, and midterm evaluation forms. Concurrently, within the prescribed timeframe, students must obtain the requisite points in continuous, midterm, independent study, and final examinations for the subject. Students who fail to submit continuous assessment, midterm assessment, and independent study assignments, or who score less than 30 points across these assignments and control types, shall not be admitted to the final exam. Furthermore, students who miss 25% or more of designated contact hours without valid justification shall be expelled from the course, denied admission to the final exam, and deemed not to have earned the relevant credits. Students who fail the final exam or obtain a score within the range of "0–29.9" on such examinations are deemed to have academic deficiencies (academic debt).
Recommended Literature	Basic Literature: • Usarov J.T. "Architectural Design" Textbook - Jizzakh: "JIZPI Printing House" LLC, 2026. - 428 p. • A. Uralov, Kh. Pulatov, M. Miryusupov, M. Zoirova, O. Salimov, Sh. Nurmukhammedova, D. Alimova, A. Turdiyev, Sh. Reyimbayev. "Fundamentals of Architectural Design" Textbook. "Noshir" Publishing, 2010. 235 p. Additional Literature: • Bobobekov B.Q., Usarov J.T. "Architectural Design" Study Guide - Jizzakh: "JIZPI Printing House" LLC, 2026. - 250 p. • Khalikov S.R. Contemporary Foreign Architecture. Textbook. 2026. – 304 p. • Usarov J.T. "Architecture of Civil Buildings" Study Guide - Jizzakh: "JIZPI Printing House" LLC, 2026. - 255 p. • Janizaqov A.E. Architecture of Residential Buildings. Study Guide. Jizzakh, JizPI Publishing, 2025. – 185 p.

	Information Sources (Websites): • www.Autodesk.com • www.AutoCAD.ru • www.google.uz • www.ref.uz