COURSE SYLLABUS: HISTORY OF ARCHITECTURE AND CONSTRUCTION

Subject Name	Digital Design (ECTS 4)
Subject / Module Code	1304AQT
Semester(s) Taught	Semester 3
Assigned Instructor	J. Usarov (Acting Associate Professor)
Language of Instruction	Uzbek
Course Type	Compulsory
Academic Hours (including independent study)	Total Hours: 120 Auditorium Hours: 0 Lecture Hours: 48 Practical Study Hours: 72 Independent Study: 72 hours
ECTS Credits	6
Course Objectives & Learning Outcomes	Objective: The main goal of teaching the course 'History of Architecture and Construction' is to provide students with theoretical and practical knowledge regarding the laws of formation and development of architecture, architectural styles emerging in different historical periods and regions, as well as artistic, functional, structural, and urban planning characteristics of structures. Within the framework of the subject, students will learn the specific features of periods and movements such as Ancient Egypt, Mesopotamia, Greece, Rome, Central Asia, Islamic Architecture, the Renaissance, Baroque, Classicism, Modernism, and Contemporary Architecture. Learning Outcomes: 1. Studying Architectural History: To study the stages of development and historical conditions of architecture in different eras. 2. Distinguishing Architectural Styles: To analyze the shape, composition, decoration, structural, and functional features of historical architectural styles.

	3. Studying National Architecture: To study the historical development, traditions, and unique aspects of architecture in Uzbekistan and Central Asia. 4. Analyzing Architectural Monuments: To form skills in evaluating the architectural, artistic, structural, and urban planning features of historical buildings and complexes. 5. Applying Theoretical Knowledge in Practice: To utilize architectural theory knowledge during modern design processes. 6. Developing Aesthetic and Creative Thinking: To develop students' abilities to understand architectural composition, proportion, rhythm, scale, harmony, and means of artistic expression. 7. Linking with Modern Architecture: To connect historical experience and theoretical perspectives with modern architecture, innovative technologies, and sustainable design principles.
Course Content (Topics)	1. Study of the subject, goals, and tasks of the history of architecture and construction. 2. Analysis of the specific features of Ancient Egyptian architecture. 3. Preparation of an essay/report on the construction structures of Mesopotamian civilization. 4. Comparison of the main styles of Ancient Greek architecture (Doric, Ionic, Corinthian). 5. Study of Ancient Roman architecture and engineering structures. 6. Analysis of Romanesque style features in medieval European architecture. 7. Preparation of a presentation on the development stages of architecture. 8. Preparation of information on key figures of Renaissance architecture. 9. Comparative analysis of Baroque and Classicism styles. 10. Study of the development stages of Eastern architecture. 11. Writing an essay on the fundamental principles of Islamic architecture. 12. Analysis of ancient monuments of Central Asian architecture. 13. Study of Amir Temur era architecture and its place in world architecture. 14. Analysis of construction technologies of Timurid era architectural monuments.

15. Conducting independent research on Shaybanid era architecture.

16. Comparison of the historical centers of Bukhara, Samarkand, and Khiva.

17. Study of architectural solutions of caravanserais in Uzbekistan.

18. Analysis of the plan composition of historical mosques and madrasahs.

19. Preparation of a presentation on architectural solutions of historical mausoleums.

20. Study of structural features of domed structures.

21. Preparation of information on historical bridges and engineering structures.

22. Description of Uzbekistan's historical monuments included in the UNESCO World Heritage list.

23. Comparison of historical urban planning principles with modern urban planning.

24. Preparation of a report on the principles of historical building restoration.

25. Study of international experience in the preservation and protection of architectural monuments.

26. Analysis of historical building materials and their characteristics.

27. Comparison of historical structures built from brick, stone, and wood.

28. Study of fortresses and defense structures in Uzbekistan.

29. Analysis of factors forming local architectural schools.

30. Study of the historical development of national residential architecture.

31. Preparation of a photo album or electronic presentation on historical monuments.

32. Performing architectural analysis of a historical monument based on drawings and photos.

33. Preparation of a passport (brief profile/description) of a historical architectural monument.

34. Analysis of the works of famous architects in the history of world architecture.

35. Writing an essay on utilizing historical architectural traditions in modern construction.

36. Preparation of a scientific presentation or project on a selected historical architectural monument.

Student Assessment	Student evaluation is based on learning progress metrics (tests, assignments, written and oral performance results) during the semester and final control. During the Physics course*, students are evaluated on a 100-point system. Of this, 50 points are allocated to current and midterm results (60% for current assessment & independent study, and 40% for midterm assessment), and 50 points are allocated to the final assessment. Students with a total combined score lower than 30 points in current and midterm evaluations will not be admitted to the final exam. A student who scores 30 or more points in the final examination is considered to have passed the subject. (*Note: Retained as per source context).
Examination Requirements	Students must fully master theoretical and practical concepts of the subject and correctly present analysis results. Students must complete assignments given in independent study, current, and midterm assessments, and secure required points in time. A student who fails to submit current, midterm, or independent study assignments, or scores below 30 points across these assessments, will not be admitted to the final exam. Furthermore, a student who misses 25% or more of class hours without valid reasons will be dismissed from the course, barred from the final exam, and deemed not to have earned the course credits. Students who fail the final exam or score in the range of 0–29.9 points are considered to have an academic delinquency.
Recommended Literature	Main Literature: 1. M.M. Vakhitov, SH.R. Mirzayev, "History of Architecture" textbook - Tashkent: "Tashakkur" Publishing House, 2018. - 361 pages. 2. SH. Abdullayev, "History of Architecture" study guide - Tashkent: "Cholpon Publishing House", 2018. - 268 pages. 3. O.M. Salimov, "Restoration and Utilization of Architectural Monuments" study guide, 2014 - 100 pages. Additional Literature: 1. Khalikov S.R., Foreign Modern Architecture. Textbook. 2026. – 304 pages.

	2. Kodirova T., Salimov O., Nuriddinov A., Polatov KH., Restoration and Repair of Buildings and Structures. Study guide. 2010. 3. KH.SH. Polatov, Repair of Architectural Monuments, Textbook, "Talim Publishing House", Tashkent - 2009 – 240 pages. Information Resources: • www.google.uz • www.ref.uz • www.autodesk.com