KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT

PROGRAMME SPECIFICATION

PROFESSIONAL

(B.Eng.) in ARCHITECTURE & URBAN DESIGN

Approved

Rector

1. The Programme of Study
   Professional Bachelor in Architecture & Urban Design

1. Professional Bachelor In Architecture & Urban Design

Teaching and Awarding Institution	KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT
Final award	Bachelor of Science (B. Sc.) in Architecture
Programme Title	Architecture and Urban Design
Programme Director	Saidov Kamoladdin
Mode of Study	Full-time
Normal Duration of the programme	Four years
Language of study	Uzbek, Russian and English
Date of production	24.07.2018

2. Admissions Policy.

In order to become a student in the direction of Architecture and Urban Planning, an abiut will need to know the basics of drawing, drawing and mathematics.

3. Educational Aims of the Programme.

The educational program will allow you to gain deep theoretical knowledge and practical skills in the development of projects for the development of architecture and urban planning of cities and regions.

The program aims to train professionals with sufficient theoretical and practical skills to work as professional architects and designers.

- to reveal the tasks of modern design and production processes in the field of architecture and urban planning.
- To develop the ability to make creative and innovative decisions based on research activities.
- to develop the ability to design residential and public buildings and structures by developing students' personal qualities, to form general cultural and professional competencies.
- to form in students a sense and understanding of strength, benefits and beauty in the field of architecture and design.
- develop students' ability for analytical, creative, independent thinking.
- create graphic solutions and manufacture of layouts and models.
- Ability to use methods of digital space modeling, creation of three-dimensional space in the form of video visualization;

As well as research and design in the field of creating, transforming, preserving, renovating, adapting and using a harmonious, comfortable and safe built environment, and its components, monitoring the implementation of projects.

4. Programme outcomes (include reference to graduate attributes where appropriate).

On successful completion of the programme students should be able to demonstrate the following

Knowledge, and Understanding

- knowledge of the principles of design and modeling of the architectural environment.

- knowledge and possession of modern computer programs for design and development.
- Communication skills. Students must communicate the benefits of architectural approaches simply and clearly.
- Know about the creations of the great architects of the past and be able to introduce them into the modern, innovative world of design.
- Some of the most important skills architects should acquire include efficient communication skills, mathematical skills, and creativity.
- Conduct a dialogue-dialogue in the state and foreign languages, use the rules of speech etiquette, read literature in the specialty without a dictionary in order to search for information.

Cognitive Skills
- The architect must first of all be able to analyze the terrain, building and environment. Identify the main tasks and methods of competent design.
- Awareness of the social significance of their future profession, possessing high motivation to perform professional activities.
- define the goals and objectives of accompanying design studies in architecture;
- to identify modern trends in the development of architecture, aesthetic and regional features of architectural objects, taking into account the historical and cultural traditions;
- to navigate current problems and advanced achievements in the field of theoretical issues of architecture, the engineering and technical state of the construction industry, in matters of ecology, energy efficiency and others.

Practical and Professional Skills
- to choose efficient constructions, construction materials and technologies for driving buildings and structures.
- apply the laws of architectural composition and the means of artistic graphics, prototyping and 3D modeling to express a creative idea, architectural form and space;
- use the practical skills of drawing, painting in project graphics, in presentations for visual perception of architecture, for the development of creative thinking and imagination.
- to form creative and innovative concepts of architectural solutions in design;
- apply modern urban planning technologies in the field of sustainable development and life safety of built-up areas, smart management and urban planning.
- develop sections of the architectural part of the technical-working and design-estimate documentation of the project;
- take part in scientific and practical conferences in creative competitions, exhibition events to promote projects and innovative achievements in architecture;
- apply methods of preserving and developing the existing architectural environment and its objects during reconstruction and restoration.
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Transferable Skills
- Take responsibility for your own training and independently create and implement plans to achieve specific goals in the field of architecture and design.
- Demonstrate effective communication and presentation skills.
- To be a leader and initiator in creative groups in the field of architecture and urban design;

Self-appraise and reflect on practice.

On successful completion of the programme students should be able to demonstrate the following graduate attributes:

- Creativity and innovation
- Effective communication
- Flexibility and adaptability

5. Programme Curriculum.

Students follow 212 ECTS credits of compulsory modules, with 12 ECTS credits of elective modules. Student workload is allocated as follows: 63-67 ECTS per academic year, 27-34 ECTS per semester, 30 ECTS per undergraduate practice (a minimum of 5 weeks):

KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT PROGRAMME CURRICULUM
COURSE SCHEDULE FOR B.Sc. IN ARCHITECTURE & URBAN DESIGN

№	Code	Module / Subject	KIUT credits	ECTS
		Year One		
		First semester		
General modules				
1	AUD01	RUSSIAN LANGUAGE 1	2	3
2	AUD02	ENGLISH LANGUAGE 1	4	6
3	AUD03	INTRODUCTION TO ARCHITECTURE	2	3
4	AUD04	MATHEMATICS 1	4	6
5	AUD05	ACADEMIC PAINTING	3	5
6	AUD06	ARCHITECTURAL DRAWING	3	5
7	AUD07	ARCHITECTURAL GRAPHICS	3	5
		Total	**21**	**33**
		Second semester		
General modules				
8	AUD08	MATHEMATICS 2	4	6
9	AUD09	INTRODUCTION TO COMPUTER GRAPHICS	3	5
10	AUD10	HISTORY OF ARCHITECTURE	2	3
11	AUD11	CONSTRUCTION MATERIALS	2	3
12	AUD12	ARCHITECTURAL BASIC DESIGN 1	5	8
13	AUD13	COMPOSITIONAL MODELLING	3	5
Elective module (1 out of 3)				
14.1	AUD14	COLOR SCIENCE	3	5
14.2	AUD15	ARCHITECTURAL SKETCHING	3	5
14.3	AUD16	PROFESSIONAL PAINTING	3	5
		Total	**22**	**35**
		Year Two		
		Third semester		
Compulsory modules (major)				

15	AUD17	HISTORY OF ARCHITECTURE OF UZBEKISTAN	2	3	
16	AUD18	ARCHITECTURAL CONSTRUCTIONS 1	3	5	
17	AUD19	ARCHITECTURAL TYPOLOGY OF BUILDINGS	2	3	
18	AUD20	COMPUTER GRAPHICS 1	3	5	
19	AUD21	ARCHITECTURAL BASIC DESIGN 2	5	8	
20	AUD22	ERGONOMICS IN ARCHITECTURE	3	5	
Elective module (1 out of 3)					
21.1	AUD23	TECHNICAL ENGLISH	2	3	
21.2	AUD24	SURVEYING 1	2	3	
21.3	AUD25	ARCHITECTURAL COLOURS	2	3	
Total			**20**	**32**	
Fourth semester					
Compulsory modules (major)					
22	AUD26	HISTORY OF MODERN ARCHITECTURE	2	3	
23	AUD27	COMPUTER GRAPHICS 2	3	5	
24	AUD28	UNDERSTANDING URBAN PLANNING	2	3	
25	AUD29	ARCHITECTURAL CONSTRUCTIONS 2	2	3	
26	AUD30	ARCHITECTURAL PHYSICS	2	3	
27	AUD31	ARCHITECTURAL DESIGN 1	4	6	
28	AUD32	ARCHITECTURAL PLANNING	3	5	
Elective module (1 out of 3)					
29.1	AUD33	SURVEYING 2	2	3	
29.2	AUD34	3D MODELING AND VISUALIZATION 1	2	3	
29.3	AUD35	CREATIVE MODELING IN DESIGN	2	3	
Total			**20**	**31**	
Year Three					
Fifth semester					
Compulsory modules (major)					
31	AUD36	COMPUTER AIDED DESIGN 1	3	5	
32	AUD37	MODERN PROBLEMS OF ARCHITECTURE AND URBAN PLANNING	2	3	
33	AUD38	ARCHITECTURAL PROTOTYPING AND DIGITAL MODELLING	2	3	
34	AUD39	INTRUDUCTION TO INTERIOR DESIGN	4	6	
35	AUD40	ENGINEERING EQUIPMENT IN ARCHITECTURE	2	3	
36	AUD41	URBAN DESIGN 1	4	6	
Elective module (1 out of 3)					
36.1	AUD42	NATIONAL STYLE IN MODERN ARCHITECTURE	2	3	
36.2	AUD43	METHODOLOGY OF ARCHITECTURAL ANALYS	2	3	
36.3	AUD44	3D MODELING AND VISUALIZATION 2	2	3	

		Total	19	29
Sixth semester				
Compulsory modules (major)				
37	AUD45	COMPUTER AIDED DESIGN 2	3	5
38	AUD46	GREEN ARCHITECTURE AND ENERGY SAVING	3	5
39	AUD47	BUILDING CODES	2	3
40	AUD48	URBAN DESIGN 2	4	6
41	AUD49	ARCHITECTURAL DESIGN 2	4	6
42	AUD50	INTRODUCTION TO LANDSCAPE DESIGN	4	6
Elective module (1 out of 3)				
43.1	AUD51	METHODOLOGY OF URBAN PLANING ANALYS	2	3
43.2	AUD52	BIONIC ARCHITETURAL	2	3
43.3	AUD53	ARCHITECTURAL ORNAMENTS	2	3
		Total	22	34
Year Four				
Seventh semester				
Compulsory modules (major)				
44	AUD54	RECONSTRUCTION AND RESTORATION	4	6
45	AUD55	INFRASTRUCTURE OBJECTS OF THE CITY	2	3
46	AUD56	PROJECT MANAGEMENT	2	3
47	AUD57	ARCHITECTURAL DESIGN 3	4	6
48	AUD58	URBAN DESIGN 3	4	6
Elective module (1 out of 3)				
49.1	AUD59	INDUSTRIAL ARCHITECTURE	2	3
49.2	AUD60	SPATIAL STRUCTURES	2	3
49.3	AUD61	ARCHITECTURE OF UNIQUE BUILDINGS	2	3
		Total	18	27
Eighth semester				
Compulsory modules				
50	AUD62	UNDERGRADUATE PRACTICE	6	18
51	AUD63	GRADUATION RESEARCH (PROJECT)	2	9
		Total	8	27
		Total for the 4 years	150	248

6. Award calculation.

7. Methods for evaluating and improving the quality and standards of teaching and learning.

- *The Teaching Team:* Members of the team are asked to identify strengths and weaknesses of the programme
provision, to identify areas for improvement and requisite staff development. This is done both informally in discussions with the Programme Director and formally through Programme Committee which meets at least two times a year.

- Students: All students have the opportunity to comment on the programme and other relevant issues (library, IT, Student support services) through a questionnaire which is administered for each module at the end of the term/year. Their views are also presented to the Programme Committee by the student representatives. Individual students also have opportunities to discuss areas of concern with their personal tutor.
- *Periodic Review:* All existing Programmes undergo major in-depth review at least every three years. These concentrate on the development of the Programme, on the learning experience of students and on future plans for the Programme.

8. The assessment regulations.

The assessment regulations conform to the Kimyo International University In Tashkent regulations for taught modular programmes as outlined in YTIT's Internal rules and regulations.

All assessment elements could compensate each other to achieve the minimum pass mark for the module. Nonattempted elements cannot be compensated. The module mark is calculated according to the weighted average of each assessment element (MT, final, projects, tests, presentations, etc. exams) specified in the module descriptors.

Successfully passing one of the assessment elements does not automatically imply successful completion of the module.

Students arriving late and non-attempts for exams without a good reason are classified as FAIL.

9. Teaching and Learning Methods.

Lectures
Lectures are a major part of the teaching strategy for the programme. Formal lectures are an effective way of transferring of basic subject material (core material) and establishing a framework for a module against which other material can be set. Lectures provide an opportunity to deliver a broad overview of a topic and to initiate further research and study by students for tutorials, seminars and private study.

Practical Workshops
Practical workshops are used extensively in a number of modules throughout the programme. In these classes students are able to practice and refine their skills in a supportive environment where they can get feedback from a member of academic staff. Practical workshops represent a valuable transition between theory and the workplace.

10. Assessment methods.

The Kimyo International University In Tashkent operates point-rating letter system for assessing educational achievements students, including eight positive marks (from "A +" to "D") with a digital equivalent (from 1.0 to 4.5 points), which Ensure the assignment of loans, and two unsatisfactory ratings ("F" and "FA") without loans.
The ECTS grading scale includes five positive grades (from "A" to "E"), the "FX" score that can be corrected, and the "F" score without providing.

Assessment by letter system	Assessment by digital system	%-content	ECTS grades	Assessment by traditional system
A+	4.5	95-100	A	Excellent
A	4.0	90-94		
B+	3.5	85-89	B	Very good
B	3.0	80-84		
C+	2.5	75-79	C	Good
C	2.0	70-74		
D+	1.5	65-69	D	Satisfactorily
D	1.0	60-64		
F	0.0	0-59		
FA	0.0	Fail for abs.	FX, F	Unsatisfactory

Also, according to ECTS, students who receive positive marks are divided into five categories: A - 10%, B - 25%, C - 30%, D - 25%, E - 10%. Students who have coped with the educational program and ended up in the underperforming group are divided into two subgroups: FX (unsatisfactory - some more work is required before credit can be granted to this student), and F (unsatisfactory, this student requires significant work further, i.e. no credits are assigned).

Criteria of assessment

«A+», «A», «B+» marks are put to students who can freely operate covered materials; does not make mistakes; actively participates in the process of communication; gives full and detailed answers.

«B», «C+», «C» marks are put to students who knows the material well, correctly and can express it in a clear and logical way; actively participates in the process of communication; formulates full and detailed answers, but makes minor inaccuracies and mistakes.

«D+», «D» marks are put to students who have knowledge of basic material but have not obtained details, makes inaccuracies; gives not enough correct formulations while answering; breaks logical correction in presenting material; faces difficulties in the process of communication.

«F» (FAIL) mark is put to a student who does not have an idea on the essence of the question; does not have answers; does not participate in the process of communication.