Faculty of Engineering and Natural Sciences

Engineering Department

ARCHITECTURE
Faculty of Engineering and Natural Sciences

Engineering Department

ARCHITECTURE

Academic year: 2014/15

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On our University

The International University of Sarajevo (IUS) is a  private, nonprofit independent institution of higher education that offers academic programs in all three study cycles, as well as specific professional development programs in registered areas. The science and liberal arts programs encourage academic, cultural, and social cooperation with regional and international universities that share in the IUS mission.

IUS is accredited with the Agency for the Development of Higher Education and Quality Assurance, and is listed in the state register of accredited higher education institutions in Bosnia & Herzegovina. IUS is also an associate member of the European University Association (EUA).

The International University of Sarajevo has a uniquely international character. Our university has students from all over the world and academic staff with extensive international experience and expertise. This gives IUS a special kind of quality that make it distinct from other major world universities. Such direct interaction with other international students gives our students the unique opportunity to experience and learn about numerous different cultures within the increasingly growing confines of our university. This allows our graduates not only to acquire practical knowledge, but this also allows for them to develop other competences and experiences that will make them excel in an increasingly competitive global job market.

At IUS our Architecture Study Program provides students the opportunity to study in English, read international scientific and expert journals via our continually expanding set of databases, and utilize the best sources from relevant fields that ensure a high quality education in Architecture studies. Such resources help provide critical insight into contemporary movements in modern global trends.

The Architecture Study Program curriculum is in line with the Bologna system and B&H national qualification framework. Students of this programme have the opportunity to explore the other academic disciplines taught at the IUS via a large choice of elective courses that broaden their intellectual capabilities. Graduates are awarded a bilingual diploma in English and in one of the official languages in Bosnia and Herzegovina. The first study cycle curriculum also meets the requirements for obtaining a BA degree in Architecture as determined by the Council of Higher Education of Turkey - CoHE (YÖK).
**The Founding of IUS**

The University was established in Sarajevo in 2001 by the Foundation for Education Development Sarajevo as a non-governmental and non-profit organization with the purpose of supporting education in Bosnia and Herzegovina.

**IUS Mission**

The International University of Sarajevo’s mission is to provide a superior education to competent and reliable individuals who in addition to having the capacity for independent and critical thinking, have a strong sense of social responsibility, making contributions to science and technology, and sharing their knowledge for social well being.

**IUS Vision**

IUS desires to create a culture of excellence that meets the highest standards of an institution whose primary goal is quality. IUS offers an interdisciplinary educational infrastructure that facilitates in the production and transfer of knowledge. IUS aspires to become an international hub in education and science.

**Organisational Units**

IUS has the following organizational units:

1. Faculty of Engineering and Natural Sciences (FENS);
2. Faculty of Business and Administration (FBA);
3. Faculty of Arts and Social Sciences (FASS).


**Campus**

The International University of Sarajevo (IUS) Campus is located in Ilidza, near the archaeological site of the Roman remains and natural SPA water springs. The Campus area is surrounded by beautiful landscapes, bordering the left bank of the River Zeljeznica on one side, and the beginning of the famous Sarajevo National Park “Vrelo Bosne” on the other. It offers a panoramic view of the nearby mountains and a peaceful and scenic study experience. The Campus is well connected to downtown Ilidza, Sarajevo centre, Sarajevo International Airport (SJJ), and other important destinations.

Its modern facilities, research centres, friendly staff, and numerous social and cultural life opportunities offer a unique blend of options for students from all over the world.

Students have access to a library, reading rooms, wireless internet access, access to academic databases (such as JSTOR and EBSCO), accommodation facilities, sports grounds, restaurants, and services organized to support curricular, and extracurricular activities of students at their disposal.
The Faculty of Engineering and Natural Sciences (FENS)

The Faculty of Engineering and Natural Sciences offers programs to obtain academic qualifications from a variety of areas in engineering and natural sciences. Currently available programs are:

**NATURAL SCIENCES DEPARTMENT**
- Genetics and Bioengineering;

**ENGINEERING DEPARTMENT**
- Electrical and Electronics Engineering;
- Computer Science and Engineering
- Industrial Engineering
- Mechanical Engineering
- Architecture

The Faculty of Engineering and Natural Sciences offers students the opportunity to obtain a degree at undergraduate and graduate levels. Continuing and periodical analyses of study programs are conducted on the basis of market research, ensuring that students receive a high-quality educational experience and enter the job market without any obstacles. FENS closely collaborates with the industry. The modern FENS laboratories are used for the practical education of future engineers and architects. Academic research is brought into special focus, and FENS academic staff hold many international and national awards.
Our students

Student involvement in the decision-making process

The Student Parliament (SPIUS) represents students' interests and acts on their behalf to ensure the realisation of student rights. The Student Parliament (SPIUS) also appoints representatives to the University bodies to ensure that all rights of students are protected and that students are involved in the decision making process.

Student representatives are also involved in the process of curricula development, as well as their evaluation and implementation and periodical analyses of study programs.

Academic Advising

IUS pays special attention to Academic Advising of students throughout their studies. Within study programs, the dean assigns an informal academic adviser to each student, who supervises and evaluates the student’s progress, and advises them on matters of compulsory and elective courses that they need to register for in order to graduate. During the course registration period, every student is required to consult their academic adviser about choosing the right courses and course registration for the next semester. The academic adviser approves the list of elected subjects at the beginning of each semester.

Promoting Student Mobility

International Relations Office of the International University of Sarajevo (IRO) works intensively to promote student mobility through a number of exchange programs such as Erasmus+ and Mevlana. Students are granted ECTS credits obtained during the exchange, and the IR staff advises students and helps them to make appropriate choices.

Students' Clubs

IUS has many extracurricular activities that enrich student academic experience. Currently, the University hosts 19 student clubs, including: IUS Rock Band, Entrepreneurship Club of IUS, The Club of Intellectual Activities (CIA), IUS Football Club, CASES (Culture Art Social Education Sports), SOS Club (Scouting and Outdoor Sports), and Club ROSA (Research Organization Science and Art) Club Architecture Students Assembly of IU Photography Club.
**Quality Assurance**

Quality assurance at the level of a study program includes the process of study program development itself. Consultations with teachers, area experts, students, the labour market, employers’ representatives and local community representatives are defined as mandatory.

During the implementation of a study program, regular analyses of all key study program implementation indicators are performed. The system of implementation of the curriculum and student evaluation provides sufficient autonomy to each academic staff member in order to adjust teaching methods and assessment in each course. Nonetheless, clearly defined standards at university level are still observed. Such a system ensures transparency in the assessment process and at the same time allows for customization for each teacher and student.

**European Credit Transfer and Accumulation System (ECTS)**

Semester curriculum is organized through the courses whose values are expressed in the entries of the European Credit Transfer System (ECTS) in order to facilitate the student exchange programs all over Europe.

Total prescribed ECTS credits are awarded after a student sits for an exam and after they are graded, and the achievements in the learning outcomes are defined by F, FX to A scale, i.e. from 5 to 10. ECTS system applies to all student transfers.

All courses have a code that clearly indicates their content. The course numbering system has three digits for each course, with the first digit indicating the level of the course (study year), as follows: 100-199; 200-299; 300-399 and 400-499 for four years of study of the first study cycle; 500-599 for second study cycle, 600-899 for third study cycle.

The abbreviation before the number indicates the program offered by the course. For instance, the code ARCH 101 denotes the course in the field of architecture intended for the first year of the first study cycle.

Differences in content and value of courses are expressed through the number of hours that were planned for lectures, training or independent work (3+0 or 2+2 or 2+1+2).
Students’ internship provision, in duration of at least 30 days, is a mandatory requirement for every study programme at the University.

**Study length, the awarding of ECTS credit points and the diploma supplement**

Information on study length and the awarding of ECTS study credits to students who completed their studies successfully per study cycles is shown in the table below:

<table>
<thead>
<tr>
<th>Cycles of study</th>
<th>ECTS study credits awarded after completion of each cycle of study:</th>
<th>Study length</th>
</tr>
</thead>
<tbody>
<tr>
<td>First cycle</td>
<td>240 ECTS study credits</td>
<td>4 years</td>
</tr>
<tr>
<td>Second cycle</td>
<td>60 ECTS study credits</td>
<td>1 year</td>
</tr>
<tr>
<td>Third cycle</td>
<td>180 ECTS study credits</td>
<td>3 years</td>
</tr>
</tbody>
</table>

Students who graduate are awarded with a diploma and a diploma supplement that state: qualification awarded, names of subjects, projects realized, final paper/project grade, number of ECTS points awarded, average grade for each semester, overall GPA and other elements defined by the law.

**Teaching and Assessment Methods**

Teaching methods applied at the University vary significantly depending on the faculty and discipline. In general, the courses of natural science have a tendency towards larger structure and more formal lessons than subjects of humanities and social sciences.

An important component of studying at the IUS is independent learning, and special attention is given to individual office hours with students. Academic staff combine many teaching approaches to achieve specified learning goals and to motivate students to study.

*Teaching Methods*

Implementation of teaching can take several forms, but it usually involves a combination of the following:

- During *lectures*, printed materials, slides or presentations on a computer are commonly used, but
the main focus is on listening to lecturers.

- Assistants usually deliver *lessons (tutorials)* in small groups where individual attention is given to students. Tutorials usually complement lectures, but are more topic-specific. For example, they may include activities such as solving problems or having discussions on particular topics broadly discussed during lectures.

- Most subjects involve some form of *practical work*, such as weekly sessions in the laboratory where students acquire technical and research skills.

- *Internships* (min 30 working days) have been designed in a way that offers students opportunities to experience on-the-job training and make well-informed decisions about their future careers.

**Independent Learning**

Apart from attending lectures and practical classes, students spend a great part of their weekdays in independent learning that includes reading relevant materials, research, studying in the reading room, doing homework, writing term papers and reports, group or individual projects and presentations.

**Types of Assessment**

At the International University of Sarajevo, written, oral and practical assessment methods are used. Assessment is conducted by testing, that is, assessing written and practical work and examination suitable to the specific program, specified learning goals, and grading procedures. Examinations in field of Arts are taken in front of a commission. All types of assessment are public.

**Office hours**

Course instructors have office hours with students on regular basis. In order to help students understand the course contents and achieve the learning aims of a course, office hours are facilitated through different means, like office meetings, meetings in the classroom, consulting via email or modern IT apps such as Moodle.

**Assessment**

After completing all the required examinations, final results are assessed and graded according to the following scale, which corresponds with ECTS grading scale:
ARCHITECTURE

a) 10 (A) - remarkable success without error or with negligible errors, carries 95-100 points;
b) 9 (B) – above average, with few mistakes, equivalent to 85-94 points;
c) 8 (C) – average, with noticeable mistakes, equivalent to 75-84 points;
d) 7 (D) - generally good, but with more significant flaws, equivalent to 65-74 bodova;
e) 6 (E) – meets the minimum criteria, equivalent to 55-64 points;
f) 5 (F, FX) – does not meet the minimum criteria, less than 55 points.

Introduction to the Discipline and Qualification

Architecture is a multidisciplinary profession that combines art and creative skills, technology, natural and social sciences. To practice architecture requires affinity with geometry, the love of precision and order, as well as a passion for creating the somewhat unusual, original and mystical. In the process of defining, designing and planning of spaces and structures, architects take into account aesthetic, functional, technical and other criteria. Design, above all, requires knowledge of the latest technology as well as understanding past building experiences and practice.

Good architects must have a clear understanding of the social and cultural environment in which they act. They must possess critical thinking skills, knowledge of history, and be able to envisage future lifeworld. Hence architecture does not present a mere reflection of society, but actively contributes to its development.

Architecture could be seen as a vision of an ideal world striving to achieve:

- a decent quality of life for all the inhabitants of human settlements;
- a technological application which respects the social, cultural and aesthetic needs of people;
- an ecologically balanced and sustainable development of the built environment, and
- an architecture which is valued as the property and responsibility of everyone.

The corollary is that the Architecture study program at the International University of Sarajevo is designed to provide students with adequate knowledge, skills and competences, to answer the various challenges that confront contemporary society.

The program will train students to solve complex building problems so as to meet requirements of both the built and natural environment, while taking into account individual and collective heritage and other issues of public interest.

The mobility of architects worldwide requires individual diplomas as evidence of formal education. In this sense, the study of architecture at IUS provides a carefully designed and relevant study, access to a range of educational, resources and well-trained experienced staff. Students who attain
an architecture qualification at IUS can continue with a wide range of studies across the architecture field at other colleges and academies. Both the degrees of Bachelor and Master of Architecture will give our students fundamental skills they need to become competent professionals.

**Goals of the Study Programme**

The principal objective of the architecture study program at IUS is to train and prepare students so they can work as independent architectural consultants and as a part of a professional team employed on a large-scale projects. A strong emphasis throughout the program will be on problem solving and the need to deliver outcomes that will create more sustainable living environments. Because creating sustainable living environments is a continuing process, our architecture students are encouraged to continuously improve their knowledge.

In addition to core elements of architectural education at IUS, the study program also aims to train students with specialised knowledge and skills such as:

- the ability to create architectural designs that satisfy aesthetic and technical requirements;
- the ability to create building structures that take into account structural and engineering problems related to design;
- Adequate knowledge of physical and technological issues, as well as the functioning of the building in terms of comfort and protection from external climate;
- Skills needed to satisfy user requirements with respect to available material, financial resources, and legal restrictions;
- Understand the methods of preparation of a building design brief;
- Knowledge of urban planning and design, as well as the planning process;
- Knowledge of the history and theory of architecture, allied arts and humanities;
- Understanding the relationship between buildings and their users, as well as the building and its surrounding natural and built environment;
- Understanding the architectural profession and the role of the architect in society;
- Adequate understanding of regulations, procedures and organization in the process of building design.

In addition to formal education, architecture students must critically think about given conditions, constraints and opportunities, so they can understand and create an ethical framework for solving problems in the built environment. Young architects need to be aware of their responsibility as
professionals and the need to work within common good societal value sets.

The architecture study program, aims to set a solid foundation for future architectural practice and ensure that their students, can find adequate employment within the profession. Graduates are given the opportunity to build career in different but related professional fields, such as architectural design, urban planning, construction supervision and site renewal, as well cultural and historical heritage.

**Employability**

After they complete their education at International University of Sarajevo, the graduates gain necessary knowledge and skills to practice their profession in wide range of working environments. Possible employers of graduated students of architecture come from various sectors, private or governmental, domestic or international non-governmental organisations, etc. These are architectural design studios and offices, construction companies, government bodies and departments, or nongovernment organisations related to spatial development and environment protection.

The career opportunities for architecture graduates include architectural practice, town planning and development, building construction, interior design, project management, supervision and inspection within building, property development, and the protection and preservation of the cultural and historical heritage. The graduates can also work in technical high schools and colleges as professors of technical and building education. This is very important role too, given that many graduates from these schools decide to continue with architectural education in universities.

Potentially the graduates can continue to work in an academic environment and research at academies, universities, and in research centres, governmental and non-governmental bodies and organisations at international level.
#### Academic Staff

The study program is implemented by competent teaching staff with significant global experience in teaching and relevant scientific backgrounds. These are short biographies of our academic staff:

<table>
<thead>
<tr>
<th>Academic Staff</th>
<th>Education</th>
<th>Courses</th>
<th>Focus of interests</th>
<th>Website</th>
</tr>
</thead>
</table>
| Assoc. Prof. Dr. Edin JAHIĆ | 1. PhD, University of Sarajevo, Architecture Faculty, 2006  
2. M.Sc. University of Sarajevo, Architecture Faculty, 2003  
• B.Sc. University of Sarajevo, Architecture Faculty, 1985 | • Construction Technologies  
• Structural Design I  
• Structural Design II  
• Building Construction  
• Materials in Architecture  
• Building Services I  
• Advanced Building Technologies | History and theory of architecture, Islamic architecture, sustainable building, urban planning  | http://arch.ius.edu.ba/edin-jahic |
| Assoc. Prof. Dr. Ewa Stachura | 1. D.Sc, Faculty of Architecture, Wroclaw Technical University, 2010  
2. PhD, Faculty of Architecture, Wroclaw Technical University, 1987  
• MSc, Faculty of Architecture, Wroclaw Technical University, 1980 | • Architectural Design Studio I  
• History if Architecture III  
• Sustainable Design Studio | contemporary architecture and town planning in historical context; housing in modern cities: typology, the importance of the urban environment, sustainable development and cultural context of housing.  | http://arch.ius.edu.ba/ewa-stachura |
### Assist. Prof. Dr. John A. Dee

International University of Sarajevo  
Hranička cesta br. 15, Sarajevo  
Office: F 3.12 Building A  
Tel: + 387 33 957 230  
E-mail: jdee@ius.edu.ba

**Education:**  
- PhD, Faculty of Architecture, Planning and Building, The University of Melbourne, Australia, 2000  
- Bachelor of Town and Regional Planning, BTRP (Hons), The University of Melbourne, Australia.

**Courses:**  
- Urban history,  
- Urban design and planning  
- Sustainable design  
- Architectural Heritage conservation  
- Contemporary Architectural Theory  
- Environmental Impact Assessment  
- Research in Architecture

**Focus of interests:** History and theory of urban planning, heritage and sustainable design, relationship between capital and sustainability in the planning process and the protection of the environment and how science is used in political, social and economic.  
[http://arch.ius.edu.ba/john-anthony-dee](http://arch.ius.edu.ba/john-anthony-dee)

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### Assist. Professor Dr. Adnan Zoranić

International University of Sarajevo  
Hranička Cesta 15, Sarajevo  
Office: F 3.14; Building A  
Telephone: (+387 33) 957 214  
Email: azoranic@ius.edu.ba

**Education:**  
- PhD in Architecture, University of Sarajevo, Faculty of Architecture; 2013.  
- BSc. Architect; University of Sarajevo, Faculty of Architecture; 1999.

**Courses:**  
- Architectural design studio III,  
- Architectural design studio IV,  
- New design in old settings,  
- Bosnian architecture,  
- Management in architecture,  
- Final design studio,  
- Understanding of design behaviour.

**Focus of interests:** Traditional and vernacular architecture of Mediterranean as base of bioclimatic access to modern architecture; Mediterranean determinism in new modern architecture concept development of modernist villa.  
[http://arch.ius.edu.ba/adnan-zoranic](http://arch.ius.edu.ba/adnan-zoranic)
### Assist. Prof. M.Arch Andreea Cojocaru

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E-mail: acojocaru@ius.edu.ba

**Education:**  
- M. Arch – Yale University School of Architecture 2010  
- B.A. – Wellesley College 2006

**Courses:**  
- Architectural Design Studio III,  
- New Design in Old Settings,  
- Basic Communication Design

**Focus of interests:** Theory of architecture; Architecture and philosophy; Generating processes in concept design.  
[http://arch.ius.edu.ba/andreea-cojocaru](http://arch.ius.edu.ba/andreea-cojocaru)

### Assoc. Prof. Dr Isil Ekin Calak

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Tel: +387 33 957 -  
E-mail: icalak@ius.edu.ba

**Education:**  
- PhD in Architecture, Mimar Sinan Fine Arts University; 2008 – 2013  
- M.Arch in Architecture, Mimar Sinan Fine Arts University; 2005 – 2007  
- B. Arch, Bachelor of Architecture, Yildiz Technical University; 1998 – 2003

**Courses:**  
- Introduction to Architectural Design  
- Architectural Design Studio II  
- New Design in Old Settings

**Focus of interests:** History and theory of architecture; Social and cultural issues in architecture, Urban studies  
[http://arch.ius.edu.ba/isil-ekin-calak](http://arch.ius.edu.ba/isil-ekin-calak)
### Assist. Prof. Lamila Simić

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Office: F3.18 Building A  
Telephone: (+387 33) 957 209  
Email: lsimisic@ius.edu.ba

**Education:**
- International University of Catalunya, Barcelona, Spain, PhDc Biodigital Architecture 2008-present;  
- International University of Catalunya, Barcelona, Spain, Master in Biodigital Architecture, December, 2008.  
- Faculty of Architecture University of Sarajevo, Sarajevo, Bosnia and Herzegovina Diploma in Architecture May, 2005.

**Courses:**
- Architectural design studio (I-VI);  
- Basic design communication;  
- Architectural communication;  
- Intro to CAD;  
- CAD in architecture;  
- Digital architecture and fabrication;  
- Virtual reality in architecture;  
- Computer Mediated Collaborative Design;  
- Digital Design Studio.

**Focus of interests:** advanced digital applications in architecture practice and computation within generative processes of design. Also interested in computer science, biology and ecology connected with structural engineering  
http://arch.ius.edu.ba/lamila-simisic

### Senior Assistant M. Arch Alma Hudović

International University of Sarajevo  
Hrasnička cesta br. 15., Sarajevo  
Office: F3.18 Building A  
Telephone: +387 33 957 238  
Email: ahudovic@ius.edu.ba

**Education:**
- PhD, Technical University Berlin, from 11/2007  
- M. Arch (Dipl.-Ing.Arch), Graduate studies of Architecture at the Technical University Berlin, Germany, 2007  
- BSc. University of Sarajevo, Faculty of Architecture, 1999-2001

**Courses:**
- Architectural design studio (I-VI)  
- Intro to architectural design  
- Architectural technologies  
- Structure Design I i II  
- Intro to CAD  
- CAD in Architecture  
- Basic design communication

**Focus of interests:** history and theory of architecture, society, gender studies and architecture, contemporary Bosnian and Turkish Islamic architecture  
http://arch.ius.edu.ba/alma-hudovic
Senior Assistant M. Arch Nerma Omičević
International University of Sarajevo
Hrasnička cesta br. 15, Sarajevo
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**Education:**
- Faculty of Architecture Zagreb, Croatia, PhD studies, 2013/2014 – in progress
- Faculty of Architecture, Sarajevo, Bosnia and Herzegovina, Master of architecture – Diploma in Architecture, July, 2008;
- Faculty of Architecture, Sarajevo, Bosnia and Herzegovina, Bachelor in Architecture, September, 2006

**Courses:**
- Architectural Design (I-VI);
- Basic design and Communication;
- Introduction to Architectural Design;
- Architectural Technologies;
- Intro to CAD;
- CAD in Architecture;
- History of Architecture I, III;
- Landscape design.

**Focus of interests:** Urban transformation and landscape preservation; Modification of the urban pattern of the city and the transformation of the city’s cultural and natural landscape in form of new architectural integration, specifically the urban settlements that are occupying the city’s natural landscapes.

http://arch.ius.edu.ba/nerma-harbinja

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Senior Assistant M. Arch Narcisa Turković
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Office: F 3.9
Tel: +387 33 957 216
E-mail: nturkovic@ius.edu.ba

**Education:**
- M. Arch, Anhalt University of Applied Science Bauhaus University, Dessau, Germany, July 2009
- BSc, International Islamic University Malaysia (IIUM), Kuala Lumpur, Malaysia; June 2007.

**Courses:**
- Architectural Design Studio (I-VI);
- Introduction to architectural design;
- Building services I, II.

**Focus of interests:** Design approach to urbanization of city of Sarajevo; Analysis of existing infrastructure and possibilities of its flexibility and reconfiguration.

http://arch.ius.edu.ba/narcisa-turkovic
## Senior Assistant M. Arch Leila Dizdarević

International University of Sarajevo  
Hranička cesta br. 15., Sarajevo  
Office: F 3.-9  
Tel: +387 33 957 216  
E-mail: dleila@ius.edu.ba

### Education:
- School of Architecture and Build Design, University of Westminster, London, UK; MA Computer Imaging in Architecture 2004; “Tectonics of Smoke”;  
- School of Architecture and Build Design, University of Westminster, London, UK;  
- PG Diploma in Architecture (RIBA Part II) 2003;  

### Courses:
- Architectural design studio (I-VI)  
- Intro to Architectural Design  
- Architectural Technologies  
- Intro to CAD  
- CAD in Architecture  
- Basic Design Communication

### Focus of interests:
Academic interests and research are in the field of architectural history and preservation of the architectural heritage and culture.  
[http://arch.ius.edu.ba/lejla-dizdarevic](http://arch.ius.edu.ba/lejla-dizdarevic)

## Senior Assistant M. Arch Tulay Zivali

International University of Sarajevo  
Hranička cesta br. 15., Sarajevo  
Office: F 3.-9  
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E-mail: tzivali@ius.edu.ba

### Education:
- MSc, Master of Science (2013); Urbanism, Faculty of Architecture, Delft University of Technology, The Netherlands;  
- Bsc, Bachelor of Science (2009); Architecture, Building Science and Urbanism, Faculty of Architecture, Delft University of Technology, The Netherlands.

### Courses:
- CAD in Architecture  
- Intro to Architectural Design  
- Building Services II

### Focus of interests:
Divided and contested cities and societies; post-war city development; architectural and urban reconstruction; urban history and cultural resources in urban regeneration; socio-spatial patterns in public space.  
[http://arch.ius.edu.ba/tulay-zivali](http://arch.ius.edu.ba/tulay-zivali)
**First Study Cycle**

*Aims and Profile of the First Study Cycle*

The four-year curriculum in study program Architecture, with minimum 240 European Credit Transfer System (ECTS) credits, offers fundamental level of education for those who intend to pursue a career in the architectural profession. A structured sequencing of courses provides a gradual interactive development of required knowledge and skills. This pre-professional preparation is combined with the core curriculum courses to provide a comprehensive scholarly foundation for advancement.

Graduates are prepared to continue their specialization through the institutions of educational system, or to immediately become productive employees in their environment.

During the first cycle, the goal is to encourage students to develop communication skills and demonstration of skills and knowledge. Students are able to take courses from other university disciplines so that they can gain knowledge from different scientific and artistic fields.

Normal period for completion of undergraduate study leading to a BArch degree is four years or eight semesters. Diploma of the first cycle will be rewarded to those students who successfully gain 240 ECTS credits (European Credit Transfer System) in the way described in the curriculum. In each semester, International University of Sarajevo makes a list of offered courses that make up the semester curriculum.

Having completed successfully the First Study Cycle of Architecture Study Program, a student acquires the following title: **Bachelor of Science (B.Sc) in Architecture.**

Article 47 of the Rules of Studies for the First Study Cycle at IUS foresees that, for a successful completion of the program, a student must pass all the exams and defend the final thesis if required by the study program. Graduates receive the transcript which contains the titles of the courses attended, the projects completed, the final (undergraduate) project, etc., along with the grades achieved, ECTS credits, grade point average for each semester and the cumulative grade point average.
Learning Outcomes of the First Study Cycle

The method of education based on learning outcomes is a method of curriculum and teaching that focuses on the knowledge and skills that the student will be equipped after having overcome a particular course. The curriculum uses the expected learning outcomes as a basis for planning, course content and assessment.

The learning outcomes of the first cycle of studies are formulated along the lines of national and international practice. When defining learning outcomes of Architecture Study Program, clear directives of EQF and NQF are taken into account, as well as the current practice in Bosnia and Herzegovina, the needs of the society, the students, the employers and the wider community, foreign and domestic experts and used benchmarks within the EHEA. These references are usually generally accepted guidelines and examples of good practice, standards and norms of some national systems of higher education, as well as guidelines for quality assurance agencies. In the case of Architecture, points of reference used as a basis for defining below listed learning outcomes are:

- European Qualification Framework\(^1\)
- National Qualification Framework\(^2\)
- EQF Level Descriptors Architecture\(^3\)

After successful completion of the Architecture Study Program at Bachelor level a student will be able to demonstrate:

<table>
<thead>
<tr>
<th></th>
<th>Adequate knowledge of the history and theory of architecture and the related arts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Knowledge of the fine arts as an influence on the quality of architectural design</td>
</tr>
<tr>
<td>3</td>
<td>Adequate knowledge of physical problems and technologies and the function of buildings so as to provide them with internal conditions of comfort and the protection against the climate</td>
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</table>

\(^1\) [http://ec.europa.eu/ploteus/en/content/descriptors-page](http://ec.europa.eu/ploteus/en/content/descriptors-page)  
\(^3\) [http://www.unideusto.org/tuningeu/images/stories/HUMART/EQF_Level_Descriptors_Architecture.pdf](http://www.unideusto.org/tuningeu/images/stories/HUMART/EQF_Level_Descriptors_Architecture.pdf)
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<th>Adequate knowledge of the industries, organizations, regulations and procedures involved in translating design concepts into buildings and integrating plans into overall planning</th>
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<td>5</td>
<td>Adequate knowledge of urban morphology and planning and the skill involved in the planning process</td>
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<td>6</td>
<td>Understanding the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale</td>
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<td>7</td>
<td>Understanding of the profession of architecture and the role of the architect in society</td>
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<td>8</td>
<td>Understanding of the methods of investigation and preparation of the brief for a design project</td>
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<td>Understanding of structural design, constructional and engineering problems associated with building design</td>
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<td>Ability to create architectural designs that satisfy both aesthetic and technical requirements</td>
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<td>The necessary design skills to meet building users' requirements within the constraints imposed by cost factors and building regulations</td>
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<td>Understanding of information literacy, learning, communication skills and research skills</td>
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<td>Understanding of the role of collective practice, technical expertise and management of working time and processes</td>
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### Curriculum of the First Study Cycle

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**Elective courses**

18

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**Total** 240

### IUS University Courses

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* - Courses required for Architecture program
## Faculty Courses

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* - Courses required for Architecture program

## Area electives

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Requirements for Admission to the First Study Cycle

To enroll into the first cycle of studies, a candidate has to have completed four years of secondary education and provide a valid high school diploma.

All instruction at IUS is carried out in English. To be enrolled as a first year student, candidates have to have an advanced knowledge of English. Students must provide international certificates of English language proficiency, such as TOEFL, or IELTS, or an equivalent certificate, in accordance with the criteria established by University regulations.

If a candidate does not possess any certificate which would waive the requirement for taking English Language Proficiency exam (Proficiency exam), candidates are required to pass the Proficiency Exam organised by English Language School (ELS) at the University.

Candidates who meet all requirements for admission, but who do not pass this test, are required to attend an intensive program (course) for English at the University’s Lifelong Learning Centre, in order to acquire necessary language skills and develop the ability to follow the lectures. While attending the English language course, students are required to submit a request for dormant status for the purpose of preparation for the Proficiency exam and acquiring skills to attend lectures.

General criteria for admission are determined in the public announcement published before each academic year. The ranking of candidates can be made on the basis of the following criteria:

1. Success achieved in high school;
2. Marks received in the interview organized for the candidates during application process;
3. Points earned on the Scholarship test (Aptitude and Math tests) organized by the University for those candidates who applied for scholarship, and
4. Other criteria stipulated in the announcement.

Further short-listing can be done based on the performance achieved during applicants’ secondary education in the subjects relevant to the area of the undergraduate study.

Applicants from the Republic of Turkey, in addition to the previously mentioned admission criteria, have to pass the undergraduate studies entrance exam (LYS - Lisans Yerleştirme SINAV) with the
minimal score set by the appropriate government body in charge of higher education in the Republic of Turkey, or they have to achieve at least 1000 points on the SAT (Scholastic Aptitude Test / Scholastic Assessment Test).

Students transferring from other higher education institutions are required to submit application for admission (transfer) along with the official certificate on passed courses (transcript) from previous higher education institution. The request is forwarded to the relevant faculty committee. At the end of transfer process, the faculty dean decides on the application for transfer.

The persons who lose their student status in accordance with the general acts and The Study Rules at the IUS can reclaim their status under the following conditions:

- The University has available infrastructure and human resources to accommodate re-admitted students without any interruption of regular teaching process and everyday operations of the University;
- The student follows the study programme curriculum in current use at the time of re-admission;
- The student has no financial obligations owed to the University.

Students who want to regain their student’s status are required to submit a request and explanation to appropriate University Authorities. The decision on regaining student's status is made by the dean.
Second Study Cycle

Aims and Profile of the Second Study Cycle

The second cycle of education offers a professional Master of Science in Architecture (M.S) degree. Master program includes one year curriculum, min 60 credits (ECTS), for students who have completed a 4-year bachelor degree (min 240 ECTS) in Architecture. This provides the professional level of education for those who intend to pursue a career in the profession. The Master of Architecture program is a professional degree program and prerequisite for registration as an architect to official bodies in Bosnia and Herzegovina and many other countries.

Master program in Architecture lasts for two semesters. The program consists of lessons, exercises, projects and studies, workshops, laboratory work, practice, field work, seminars, final project and other scientific work. All courses are semester courses except in those cases where otherwise is indicated by the University Senate. The curriculum consists of compulsory and optional courses. Compulsory courses are those courses that students are required to attend while the students can choose elective courses freely from other university areas. With the approval of professors, students have the option of choosing courses from other faculties at IUS.

The basic aims of the professional Master of Architecture program are to provide the knowledge, skills and experience that will equip the graduate to be an architect. The practice of architecture today is, however, extraordinarily diverse and complex and no course could provide training in depth for all areas of practice. It is therefore essential that students obtain from the course a firm grounding in fundamentals, an ability to think creatively and logically, and a capacity to explore for themselves those areas they wish to pursue in detail.

Having completed successfully the Second Study Cycle of the Architecture Study Program, a student acquires the following title: Master of Science (M.S) in Architecture.

Learning Outcomes of the Second Study Cycle

The learning outcomes of the second cycle of studies are formulated along the lines of national and international practice. When defining learning outcomes of Architecture Study Program, clear directives of EQF and NQF are taken into account, as well as the current practice in Bosnia and Herzegovina, the needs of the society, the students, the employers and the wider community, foreign and domestic experts and used benchmarks within the European Higher Education Area. These reference points are generally accepted guidelines and best practices, standards and norms of
individual national systems of higher education, as well as guidelines for quality assurance agencies. In the case of Architecture Study Program, points of reference used as a basis for defining below listed learning outcomes are:

a) European qualification Framework

b) National Qualification Framework

After successful completion of the Second Cycle of Architecture program a student will be able to:

- gain the necessary knowledge and skills to become an architect, noting the increasing complexity and diversity of the architect's role;
- to meet, where possible, of the demands of the professional and statutory bodies for entry to the professional institute and to qualify for registration, with minimal additional examination, in the context of academic independence in the judgments it makes on the education it provides;
- experience a range of attitudes and philosophies relating to architecture; and
- to be exposed to and acquire a range of knowledge which is expected to result in graduates who can provide the community with the highest quality of architecture, including to be able to think clearly and be able to make reasoned judgments.

Curriculum of the Second Study Cycle

<table>
<thead>
<tr>
<th>Course group</th>
<th>ECTS</th>
<th>Course name</th>
<th>Course code</th>
<th>Course type</th>
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<th>Prerequisite</th>
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<td></td>
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<td>Environmental Impact Assessment</td>
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<td></td>
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<td></td>
<td></td>
<td>Architectural Design Studio VII</td>
<td>ARCH 507</td>
<td>required</td>
<td>12</td>
<td>ARCH 406</td>
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<td>Elective Courses (2 of area elective courses have to be chosen from the list of area elective courses)</td>
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<td>Graduate Studio</td>
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### Core courses for ARCH

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<th>ECTS</th>
<th>Pre-requisite</th>
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<tr>
<td>7</td>
<td>Architectural Design Studio VII</td>
<td>ARCH 507</td>
<td>12</td>
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<td>8</td>
<td>Graduate Studio</td>
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### Area electives

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<th>Course code</th>
<th>ECTS</th>
<th>Pre-requisite</th>
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<tr>
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<td>Digital Design Studio</td>
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<td>ARCH 553</td>
<td>4</td>
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</table>

**Requirements for Admission to the Second Study Cycle**

In addition to general legal conditions, candidates who have completed the first cycle of studies, candidates who have achieved 240 credits, and candidates who have completed undergraduate studies according to pre-Bologna system of education have the right to enroll in the second cycle of study program.

All the individuals who have completed the first cycle of studies and acquired the title of Bachelor of Science in Architecture are eligible to apply for admission to the second study cycle of Architecture Study Programme.

To qualify for admission, students are required to demonstrate that they possess advanced knowledge of the English language with internationally-recognized certification, or by successfully passing the proficiency test at the University (Proficiency Exam), in accordance with the general
rules of the University. In addition, taking a special test or interview may be required to prove the scientific capability to continue at the second cycle of study.

Ranking of candidates for admission at the second cycle of study is conducted on the basis of the following criteria:

- results achieved during the first cycle of study;
- candidate's score at the interview and test which is organized when applying for study program;
- other criteria determined in the announcement.

When the number of candidates who have met the formal requirements for admission is larger than anticipated number of candidates for admission, preference is given to candidates who have achieved a higher overall grade point average in the previous cycle of study and the score achieved at the interview.