# NEAR EAST UNIVERSITY 

## FACULTY OF ARCHITECTURE

BSc PROGRAM in ARCHITECTURE

COURSE CATALOGUE 2021-22 FALL

## > QUALIFICATION AWARDED

The students who successfully complete the program are awarded the degree of Bachelor of Science in Architecture.

## > LEVEL OF QUALIFICATION

This is a First Cycle (Bachelor's Degree) program

## > SPECIFIC ADMISSION REQUIREMENTS

In the framework of the regulations set by Higher Education Council of Turkey (YÖK), student admission for this undergraduate program is made through a university entrance examination called ÖSYS. Following the submission of students' academic program preferences, Student Selection and Placement Center (ÖSYM) places the students to the relevant program according to the score they get from ÖSYS.

International students are accepted to this undergraduate program according to the score of one of the international exams they take such as SAT, ACT and so on, or according to their high school diploma score.

Exchange student admission is made according to the requirements determined by bilateral agreements signed by NEU and the partner university.

Visiting students can enroll for the courses offered in this program upon the confirmation of the related academic unit. Additionally, they need to prove their English language level since the medium of instruction of the program is English.

## > QUALIFICATION REQUIREMENTS AND REGULATIONS

The students studying in this undergraduate program are required to have a Cumulative Grade Points Average (Cum. GPA) of not less than 2.00/4.00 and have completed all the courses with at least a letter grade of DD/S in the program in order to graduate. The minimum number of ECTS credits required for graduation is 240 . It is also mandatory for the students to complete their compulsory internship in a specified duration and quality.

## > RECOGNITION OF PRIOR LEARNING

At Near East University, full-time students can be exempted from some courses within the framework of the related bylaws. If the content of the course previously taken in another institution is equivalent to the course offered at NEU, then the student can be exempted from this course with the approval of the related faculty/graduate school after the evaluation of the course content.

## > PROFILE OF THE PROGRAM

The program's goal is to equip its graduates with both the fundamental scientific principles and the architectural skills that enable those principles to be applied in practice. The curriculum is planned with a multidisciplinary approach in mind. The Undergraduate Program consists of eight terms where theory of design, conceptual approaches, constructional knowledge and environmental control classes come together at the studio based architecture projects. The first two years students are armed with the knowledge on art education, technical drawing, history of art and architecture, human factors, introduction to architecture, aesthetics and construction of structures. The studio is seen as a melting pot of all these courses where the students are oriented to critical thinking on design and propose ideas for projects at different scales. Flipped learning teaching method has been
adapted to all courses. At the senior years, courses are more for the realization of the projects like; furniture design and production, detailing, cost estimation, product detailing, ergonomics, refunctioning historical buildings, professional practice and computer aided design. The studio based projects at this level are mostly multi-functional spaces where system details are seen as must to do technical drawings. The students have to complete two internships during their four-year education where they have the chance to transform their theoretical knowledge to practice and bring the awareness or real-life projects to the studio

Upon graduation, students should be equipped to pursue a career as architecture professionals or, if they so wish, to pursue further academic studies. The graduates will be professionals who can be flexible and integrate in a relatively short time into a wide-range of different sectors of the industry.
> PROGRAM OUTCOMES

|  | Program Outcomes |
| :---: | :---: |
| 1 | Critical thinking and expression skills: In the framework of logic, the ability to analyse and to evaluate the information gathered, opposing views and contradictions. |
| 2 | Sustainability and design: In the context of sustainability, considering the creation of the built environment and the protection of the natural environment, the student gains the ability to understand the responsibilities of the architect and the relationships with other professional disciplines, and learns sustainable design to minimize the environmental impact. |
| 3 | Preparing and developing a project program: By taking into account user requirements, site conditions, laws and regulations, design criteria, construction cost, environment and building systems and technological developments, the student gains the ability to prepare an architectural project program and develop it in different scales in a way to take care of the public interest. |
| 4 | Structural systems, building materials and applications: The student gains technical knowledge about loadbearing systems, behavioural principles of these systems, detailing, application and cost calculation. |
| 5 | Building physics, environmental systems and building service systems: The student gains knowledge about building physics, energy usage (acoustics, lighting, air-conditioning, etc.), building service systems (installation, electricity, vertical circulation elements, fire protection, etc.) issues, applications and integration to buildings, follow technological developments and gain the ability to transfer technical knowledge to architectural design. |
| 6 | Urban and environmental design: In the context of sustainability, cultural heritage and ecology, considering the urban and environmental design, the student will be able to reflect the knowledge gained to the design of indoor and outdoor spaces including the universal design principles. |
| 7 | Natural-built environment and human being: The student gains the ability to understand human psychology, needs, behaviours and related spatial needs, natural-built environment-human interaction and its reflections to the design. |
| 8 | Formal aesthetics in architecture and design: The ability to transfer formal and aesthetic requirements in architecture and urban design to the design through theoretical and experiential knowledge. |
| 9 | Ability to research and reach information: To reach information using appropriate research techniques, comparative evaluation, documentation, presentation in writing, to be able to evaluate, to interpret and benefit from the examples. |
| 10 | Graphic communication skills: The students will gain the ability to illustrate every stage of the design process, graphically by means of graphic expression techniques (two- and three-dimensional hand drawings). |
| 11 | The role of the architect in the construction industry: Understands the architectural profession that requires a collective team work within the building industry and the role of the architect in organizing and developing the design and implementation processes within this team. At the same time, gains information about construction management and application issues. Gains the ability to take responsibility and work individually or in a group. |
| 12 | Legal rights and responsibilities, professional ethics: Understands the laws and regulations related to the responsibilities of the architect to society and the employer and is aware of the principles of professional ethics. |


| $\mathbf{1 3}$ | Documentation, preservation and restoration of historical environment, cultural assets: The student gains information <br> about historical environment, culture, cultural heritage, protection and restoration. Understands conservation theories / <br> methods. |
| :--- | :--- |
| $\mathbf{1 4}$ | Graphical representation with computer technology: the ability to make two and three-dimensional drawings and <br> presentations, as required by today's architecture, by using the current computer technologies and programs at each stage <br> of design. |
| $\mathbf{1 5}$ | World architecture and local architecture: To have enough knowledge about historical architecture, geographical and <br> socio-cultural characteristics-differences and their effects on shaping architectural products. To be able to understand and <br> interpret local architectural formations within the geography in context of climatic, technological, social, economic, <br> historical and cultural factors. |

> COURSE \& PROGRAM OUTCOMES MATRIX

|  |  |  | gr | m |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Course Code | Course Name | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1st Year - 1st Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 101 | Basics of Architectural Design I | 3 | - | 2 | - | - | - - | - | 2 | 5 | 4 | 3 | - | - | - | - | - |
| ARC 103 | Visual Communication Techniques I | 4 | - | - | - | - | - - | - |  | 2 | 3 | 5 | - | - | - | - | - |
| ARC 105 | Introduction to Architectural Concepts | 3 | - | - | - | - | - - |  | 4 |  | 5 | - | - | - | - | - | 2 |
| MTH 141 | Mathematics for Designers | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CAM 100 | Campus Orientation | 3 | - | - | - | - | - | - |  |  | 2 | - | - | - | - | - | - |
| TUR/YIT 101 | Turkish | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ENG 101 | Foreign Language I | - | - | - | - | - | - - | - | - | - | - | - | - | - | - | - | - |
| AIT101/AIT103 | Ataturk's Principles and the History of Turkish Revolution I | - | - | - | - | - | - |  | - | - | - | - | - | - | - | - | - |
| 1st Year - 2nd Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 102 | Basics of Architectural Design II | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 5 | - | 3 | - | - | - | - | 3 |
| ARC 104 | Visual Communication Techniques II | 3 | - | - | - | - | - | - | - | 2 | 3 | 5 | - | - | - | - | - |
| ARC 106 | Construction and Materials I | 4 | - | - | 5 | - | - - | - | - | 2 | 4 | 3 | 4 | - | - | - | - |
| ARC 108 | Humanities | 3 | - | - | - | - | - | - | - | - | 3 | - | - | - | 4 |  | 5 |
| CAR 100 | Career Planning | 5 | - | - | - | - | - - | - | - | - | 4 | - | - | - | - | - | - |
| TUR/YIT102 | Turkish/Turkish Language II | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - |
| AIT 102/104 | Ataturk's Principles and the History of Turkish Revolution II | - | - | - | - | - | - - | - | - | - | - | - | - | - | - | - | - |
| ENG 102 | Foreign Language II | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2nd Year - 1st Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 201 | Architectural Design I | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | 4 | - | - | - | - | 3 |
| ARC 203 | Computer Aided Drawing I | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - |


| ARC 205 | Construction and Materials II | 4 | - | - |  | 5 | - | - | - | 2 | 4 | 3 | 4 | - | - | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ARC 207 | History of Art and Architecture I | 3 | - | - |  | 2 | - | - | - | - | 4 | - | - | - | - | - | 5 |
| ARC 209 | Statics and Mechanics | 3 | - | - |  | 5 | - | - | - | - | 2 | - | 4 | - | - | - | - |
| ARC 213 | Freehand Drawing Techniques and Architecture | 4 | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - |
| ARC 110 | Surveying | 3 |  | 2 | - | - | - | - | - | - | 4 | 2 | - | - | - | - | - |
| 2nd Year - 2nd Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 202 | Architectural Design II | 4 | 2 | 2 |  | 2 | 2 | 2 | 3 | 5 | 5 | 4 | - | - | - | - | 3 |
| ARC 204 | Advanced Computer Applications | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - |
| ARC 206 | Construction and Materials III | 4 | - | - |  | 5 | - | - | - | 2 | 4 | 3 | 4 | - | - | - | - |
| ARC208 | History of Art and Architecture II | 3 | - | - |  | 2 | - | - | - | - | 4 | - | - | - | - | - | 5 |
| ARC 212 | Environmental Control Systems I | 2 | 4 | - |  | 2 | 5 | 4 | - | - | 4 | 4 | - | - | - | - | - |
| ARC 200 | Summer Practice I | - | - | - |  | - | - | - | - | - | 3 | - | 2 | 4 | - | - | - |
| 3rd Year - 1st Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 301 | Architectural Design III | 4 | 3 | 3 |  | 3 | 2 | 3 | 4 | 5 | 5 | 4 | - | - | - | - | 3 |
| ARC 303 | Behavioural Analysis of Structures | 3 | - | - |  | 5 | - | - | - | - | 2 | - | 4 | - | - | - | - |
| ARC 305 | Architecture of the 20th Century | 3 | - | - |  | 2 | - | - | - | - | 4 | - | - | - | - | - | 5 |
| ARC 307 | Environmental Control Systems II | 2 | 5 | - |  | 2 | 5 | 4 | - | - | 4 | 4 | - | - | - | - | - |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3rd Year - 2nd Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 302 | Architectural Design IV | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 4 | 5 | 4 | - | - | - | - | 4 |
| ARC 304 | Planning and Urban Design | 3 |  |  |  |  |  | 5 |  |  | 4 | 4 |  |  |  |  |  |
| ARC 300 | Summer Practice II | - | - | - |  | - | - | - | - | - | 3 | - | 2 | 4 | - | - | - |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4th Year - 1st Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 401 | Architectural Design V | 4 | 4 | 4 |  | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 2 | 1 | 1 | 3 | 5 |
| ARC 403 | Construction Management | 4 | - | - |  | 5 | 5 | - | - | 2 | 4 | 5 | 4 | - | - | 3 | - |
| ARC 405 | Theory of Restoration \& Conservation | 4 | - | - |  | - | - | - | - | - | 4 | - | - | - | 5 | - | - |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4th Year - 2nd Semester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| ARC 402 | Architectural Design VI | 4 | 4 | 5 | 4 | 5 | 5 |  | 5 | 4 | 5 | 5 | 2 | 1 | 1 | 3 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ARC 404 | Legal Aspects of Planning | 3 | 2 | - | - | - | - |  | - | - | - | - | - | 5 | - | - | - |
| ARC 406 | Professional Practice and Ethics | - | - | 5 | - | - | - |  | - | - | 4 | - | 5 | 4 | 3 | 3 | - |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XXX 000 | Elective |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Electives |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARC 412 | Quantities | - | - | - | 5 | 4 | - |  | - | - | - | - | 4 | - | - | - | - |
| ARC 414 | Model Making | 2 | - | - | - | - | - |  | - | - | - | 2 | - | - | - | 4 | - |
| ARC 410 | Landscape Design | 2 | 4 | - | - | - | 5 |  | - | - | 2 | - | - | - | - | - | - |
| ARC 421 | Solar Energy | 2 | 4 | - | 2 | 5 | 4 |  | - | - | 4 | 4 | - | - | - | - | - |
| ARC 424 | Basic Art Education | 4 | - | - | - | - | - |  | - | - | - | 5 | - | - | - | - | - |
| ARC 436 | Steel Construction | 4 | - | - | 5 | - | - |  | - | 2 | 4 | 3 | 4 | - | - | - | - |
| ARC 446 | String Art | 2 | - | - | - | - | - |  | - | - | - | 2 | - | - | - | 4 | - |
| ARC 447 | Urban Design Analysis | 2 | 4 | - | - | - | 5 |  | - | - | 2 | - | - | - | - | - | - |
| ARC 430 | Topography | 3 |  | 2 | - | - | - |  | - | - | 4 | 2 | - | - | - | - | - |
| ARC 407 | Housing In Rural Area | 3 | - | - | 2 | - | - |  | - | - | 4 | - | - | - | - | - | 5 |
| ARC 454 | Light In Architecture | 3 | - | - | - | - | - |  | - | - | - | - | - | - | - | - | - |
| ARC 437 | Architecture and Sustainability | 3 | 5 | - | - | - | - |  | - | - | 3 | - | - | - | - | - | 3 |
| ARC 444 | Computer Presentation Techniques | - | - | - | - | - | - |  | - | - | - | 3 | - | - | - | 5 | - |
| ARC 434 | Large-Span Structures in Architecture | 2 | - | - | 5 | - | - |  | - | - | - | - | 5 | - | - | - | - |
| ARC 450 | Seminars on Architectural Monuments | 3 | - | - | - | - | - |  | - | - | - | 3 | - | - | - | - | 5 |
| ARC 466 | Descriptive Analysis of Buildings | 3 | - | - | - | 4 | - |  | - | - | - | - | - | - | - | - | 5 |
| ARC 481 | Reinforced Concrete Theory | 2 | - | - | 5 | - | - |  | - | - | 3 | - | - | - | - | - | - |
| ARC 467 | Environmental Conservation | 2 | - | - | - | - | - |  | - | - | 2 | - | - | - | 5 | - | - |
| ARC 362 | Energy Efficient Buildings | 2 | 4 | - | - | 5 | - |  | - | - | 2 | - | - | - | - | - | - |
| ARC 413 | Introduction to Deterioration \& Conservation in Historical Buildings | 2 | - | - | - | - | - |  | - | - | 3 | - | - | - | 5 | - | - |
| ARC 409 | Formation \& Development of Traditional Turkish House | 2 | - | - | - | - | - |  | - | - | 3 | - | - | - | - | 4 | 5 |
| FAE 453 | Topographical Modelling | 2 | - | - | - | - | - |  | - | - | - | 2 | - | - | - | 4 | - |
| FAE 457 | Introduction to Geographical Information System | 2 | - | - | - | - | - |  | - | - | - | 2 | - | - | - | 5 | - |
| FAE 490 | Site Analysis | 2 | - | - | - | - | - |  | - | - | - | 2 | - | - | - | 4 | - |
| FAE 488 | Architecture and Photography | 3 | - | - | - | - | - |  | - | - | - | - | - | - | - | - | - |
| FAE 486 | Poster Design | 3 | - | - | - | - | - |  | - | - | - | - | - | - | - | 4 | - |
| FAE 352 | Cultural Issues in Design | 3 | - | - | - | - | - |  | - | - | 3 | - | - | - | 5 | - | 3 |


| FAE 387 | Digital Communication in Architecture | 2 | - |  | - | - | - |  | - | - | - | - | - | - | - | - | 5 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FAE 482 | Renewable Energy Sources | 2 | 4 | 4 | - | 2 | 5 |  | 4 | - | - | 4 | 4 | - | - | - | - |  |
| FAE 476 | Determination of Medium Scale Hospital Needs Programme | 2 |  | 2 | - | - | - |  | - | 5 |  | 2 | - | - | - | - | - | - |
| FAE 452 | Prefabricated Construction Systems | 4 | - |  | - | 5 | - |  | - | - | 2 | 4 | 3 | 4 | - | - | - | - |
| FAE 449 | Introduction to Architectural Structure | 4 | - |  | - | 5 | - |  | - | - | 2 | 4 | 3 | 4 | - | - | - | - |
| FAE 455 | The Limits of Architectural Critisizm | 3 | - |  | - | - | - |  | - | - | - | 3 | - | - | - | 5 | - | 3 |
| FAE 487 | Rhinoceras | 2 |  |  | - | - | - |  | - | - | - | - | - | - | - | - | 5 | - |

* 1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest


## > OCCUPATIONAL PROFILES OF GRADUATES

The graduates of Department of Architecture, the architects may work both at public and private sectors. They can work at architectural offices together with architects and civil engineers or they can join a design studio or can establish their own company and work independently. They can choose to become a designer, a specialist in marketing of related products or a controller in a manufacturing firm. Moreover, they may apply for graduate programs to become specialist in a related area and can work as instructors or research assistants at universities.

## > ACCESS TO FURTHER STUDIES

The students graduating from this program may apply to graduate programs.

## > PROGRAM STRUCTURE

The undergraduate program in Architecture consists of 53 courses with 240 ECTS credits in total.
There are at least 5 courses in each semester, including common compulsory courses and elective courses.
In each program, there are common compulsory courses identified by the Higher Education Council of Turkey (YÖK) and other common courses determined by the University Senate.

Elective courses begin from the second semester.
There are 12 elective courses in undergraduate program meaning, $\% 23$ of the courses are elective courses.
$25 \%$ of the elective courses are taken from other faculties, \%33.3 of them are taken from the faculty, and technical electives have to be $\% 41$.

## .COURSES OFFERED THROUGHOUT THE UNIVERSITY

| Campus Orientation | The students are registered to this course at the <br> beginning of the first semester of the freshman <br> year to familiarize them with the campus life at <br> NEU. |  |
| :--- | :--- | :--- |
| Common <br> University <br> Courses | Career Planning | The students are registered to this course at the <br> beginning of their second semester of the <br> freshman year to help them prepare for work <br> life after graduation. |
|  | Cyprus History and Culture | This course is taken by students in their <br> freshmen year and it aims to help them to |


$\left.$|  |  | familiarize them with the local history and <br> culture. |
| :--- | :--- | :--- |
|  | Turkish Language I-II <br> (Turkish for Foreigners I \& II to replace this <br> course for international students) <br> Principles of Atatürk and History of Revolution I- <br> Common <br> Compulsory <br> Courses <br> (YÖK Courses) | Foreign Language (ENGLISH) I \& II | | These are the compulsory courses which are |
| :--- |
| required to be offered in all of the associate and |
| undergraduate programs in Turkey according to |
| the Higher Education Legislation. | \right\rvert\, | This course is offered in the first and second |
| :--- |
| semester and conducted according to the |
| program curriculum of each faculty. |

## > Course Structure Diagram with Credits

To see the course details (such as objectives, learning outcomes, content, assessment and ECTS workload) click the relevant Course Code given in the table below.

| $1^{\text {st }}$ Year Fall Semester |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Course Code | Pre. | Course Name | Theory | Application/ Laboratory | Local Credits | ECTS |
| ARC 101 |  | Basics of Architectural Design I | 4 | 4 | 6 | 9 |
| ARC 103 |  | Visual Communication Techniques I | 2 | 2 | 3 | 6 |
| ARC 105 |  | Introduction to Architectural Concepts | 3 | 0 | 3 | 3 |
| MTH 141 |  | Mathematics for Designers | 3 | 0 | 3 | 3 |
| CAM 100 |  | Campus Orientation | 0 | 0 | 0 | 2 |
| TUR/YIT 101 |  | Turkish Language I/Turkish Language for Foreign Students I | 2 | 0 | 2 | 2 |
| ENG 101 |  | Foreign Language I | 3 | 0 | 3 | 3 |
| AIT101/AIT103 |  | Atatürk's principles and the History of Turkish Revolution I | 2 | 0 | 2 | 2 |
| Total |  |  |  |  |  | 30 |


| $1^{\text {st }}$ Year Spring Semester |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Course Code | Pre. | Course Name | Theory | Application/ Laboratory | Local Credits | ECTS |
| ARC 102 | ARC 101 | Basics of Architectural Design II | 4 | 4 | 6 | 9 |
| ARC 104 | ARC 103 | Visual Communication Techniques II | 2 | 2 | 3 | 3 |
| ARC 106 |  | Construction and Materials I | 2 | 2 | 3 | 4 |
| ARC 108 |  | Humanities | 3 | 0 | 3 | 3 |
| CAR 100 |  | Career Planning | 0 | 0 | 0 | 2 |


| TUR/YIT102 | TUR/YIT101 | Turkish/Turkish Language II | 2 | 0 | 2 | 2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| AIT 102/104 | AIT 101/103 | Ataturk's Principles and the History <br> of Turkish Revolution II | 2 | 0 | 2 | 2 |
| ENG 102 |  | Foreign Language II | 3 | 0 | 3 | 3 |
| GCE/GEC <br> XXX |  | Elective | 1 | 2 | 2 | 2 |


| Total | 30 |
| :--- | :--- |


| $2^{\text {nd }}$ Year Fall Semester | Course Name | Theory | Application/ <br> Laboratory | Local <br> Credits | ECTS |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course Code | Pre. | ARC 102 | Architectural Design I | 4 | 4 | 6 | 10 |
| ARC 201 |  | Computer Aided Drawing I | 2 | 2 | 3 | 4 |  |
| ARC 203 |  | Construction and Materials II | 2 | 2 | 3 | 4 |  |
| ARC 205 |  | History of Art and Architecture I | 3 | 0 | 3 | 3 |  |
| ARC 207 |  | Statics and Mechanics | 3 | 0 | 3 | 3 |  |
| ARC 209 |  | Freehand Drawing Techniques and |  |  |  |  |  |
| Architecture | 2 | 2 | 3 | 3 |  |  |  |
| ARC 213 |  | Surveying | 3 | 0 | 3 | 3 |  |
| ARC 110 |  |  |  |  |  | 30 |  |
| Total |  |  |  |  |  |  |  |


| $2^{\text {nd }}$ Year Spring Semester | Course Name | Theory | Application/ <br> Laboratory | Local <br> Credits | ECTS |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course Code | Pre. | ARC 201 | Architectural Design II | 4 | 4 | 6 | 10 |
| ARC 202 |  | Advanced Computer Applications | 2 | 2 | 3 | 3 |  |
| ARC 204 |  | Construction and Materials III | 2 | 2 | 3 | 3 |  |
| ARC 206 |  | History of Art and Architecture II | 3 | 0 | 3 | 3 |  |
| ARC208 |  | Environmental Control Systems I | 3 | 0 | 3 | 3 |  |
| ARC 212 |  | Elective | 3 | 0 | 3 | 3 |  |
| FAE XXX |  | Summer Practice I | 0 | 0 | 0 | 5 |  |
| ARC 200 |  |  |  |  |  | 30 |  |
| Total |  |  |  |  |  | 3 |  |


| $3^{\text {rd }}$ Year Fall Semester | Course Name | Theory | Application/ <br> Laboratory | Local <br> Credits | ECTS |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course Code | Pre. | CTS |  |  |  |  |
| ARC 301 | ARC 202 | Architectural Design III | 4 | 4 | 6 | 12 |


| ARC 303 | Behavioural Analysis of Structures | 3 | 0 | 3 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| ARC 305 | Architecture of the 20th Century | 3 | 0 | 3 | 4 |
| ARC 307 | Environmental Control Systems II | 3 | 0 | 3 | 4 |
| ARC XXX | Elective | 3 | 0 | 3 | 3 |
| FAE/XXX | Elective | 3 | 0 | 3 | 3 |
| Total |  |  |  | 30 |  |


| $3^{\text {rd }}$ Year Spring Semester | Course Name | Theory | Application/ <br> Laboratory | Local <br> Credits | ECTS |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course Code | Pre. | ARC 301 | Architectural Design IV | 4 | 4 | 6 | 12 |
| ARC 302 |  | Planning and Urban Design | 2 | 4 | 4 | 4 |  |
| ARC 304 |  | Summer Training II | 0 | 0 | 0 | 5 |  |
| ARC 300 |  | Elective | 3 | 0 | 3 | 3 |  |
| ARC XXX |  | Elective | 3 | 0 | 3 | 3 |  |
| FAE XXX |  | Elective | 3 | 0 | 3 | 3 |  |
| GCE/GEC <br> XXX |  |  |  |  |  |  |  |
| Total |  |  |  |  |  | 30 |  |


| $4^{\text {th }}$ Year Fall Semester | Course Name | Theory | Application/ <br> Laboratory | Local <br> Credits | ECTS |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course Code | Pre. | ARC 302 | Architectural Design V | 4 | 4 | 6 | 12 |
| ARC 401 |  | Construction Management | 2 | 2 | 3 | 4 |  |
| ARC 403 |  |  <br> Conservation | 3 | 0 | 3 | 5 |  |
| ARC 405 |  | Elective | 3 | 0 | 3 | 3 |  |
| ARC XXX |  | Elective | 3 | 0 | 3 | 3 |  |
| ARC XXX |  | Elective | 3 | 0 | 3 | 3 |  |
| GCE/GEC <br> XXX |  |  |  |  |  |  |  |
| Total |  |  |  |  |  | 30 |  |


| $4^{\text {th }}$ Year Spring Semester | Course Name | Theory | Application/ <br> Laboratory | Local <br> Credits | ECTS |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course Code | Pre. | CRC 401 | Architectural Design VII | 4 | 4 | 6 | 15 |
| ARC 402 | ARC | 4 | 6 |  |  |  |  |
| ARC 404 |  | Legal Aspects of Planning | 3 | 0 | 3 | 3 |  |


| ARC 406 | Professional Practice and Ethics | 3 | 2 | 4 | 6 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| ARC XXX | Elective | 3 | 0 | 3 | 3 |
| FAE XXX | Elective | 3 | 0 | 3 | 3 |
| Total |  |  |  | 30 |  |

Elective Courses

| Code | Pre. | Course Name | Theory | Application/ Laboratory | Local Credits | ECTS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ARC 412 |  | Quantities | 3 | 0 | 3 | 3 |
| ARC 414 |  | Model Making | 3 | 0 | 3 | 3 |
| ARC 410 |  | Landscape Design | 3 | 0 | 3 | 3 |
| ARC 421 |  | Solar Energy | 3 | 0 | 3 | 3 |
| ARC 424 |  | Basic Art Education | 3 | 0 | 3 | 3 |
| ARC 436 |  | Steel Construction | 3 | 0 | 3 | 3 |
| ARC 446 |  | String Art | 3 | 0 | 3 | 3 |
| ARC 447 |  | Urban Design Analysis | 3 | 0 | 3 | 3 |
| ARC 430 |  | Topography | 3 | 0 | 3 | 3 |
| ARC 407 |  | Housing In Rural Area | 3 | 0 | 3 | 3 |
| ARC 454 |  | Light In Architecture | 3 | 0 | 3 | 3 |
| ARC 437 |  | Architecture and Sustainability | 3 | 0 | 3 | 3 |
| ARC 444 |  | Computer Presentation Techniques | 3 | 0 | 3 | 3 |
| ARC 434 |  | Large-Span Structures in Architecture | 3 | 0 | 3 | 3 |
| ARC 450 |  | Seminars on Architectural Monuments | 3 | 0 | 3 | 3 |
| ARC 466 |  | Descriptive Analysis of Buildings | 3 | 0 | 3 | 3 |
| ARC 481 |  | Reinforced Concrete Theory | 3 | 0 | 3 | 3 |
| ARC 467 |  | Environmental Conservation | 3 | 0 | 3 | 3 |
| ARC 362 |  | Energy Efficient Buildings | 3 | 0 | 3 | 3 |
| ARC 413 |  | Introduction to Deterioration \& | 3 | 0 | 3 | 3 |


|  | Conservation in Historical Buildings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ARC 409 | Formation \& Development of Traditional Turkish House | 3 | 0 | 3 | 3 |
| FAE 453 | Topographical Modelling | 3 | 0 | 3 | 3 |
| FAE 457 | Introduction to Geographical Information System | 3 | 0 | 3 | 3 |
| FAE 490 | Site Analysis | 3 | 0 | 3 | 3 |
| FAE 488 | Architecture and Photography | 3 | 0 | 3 | 3 |
| FAE 486 | Poster Design | 3 | 0 | 3 | 3 |
| FAE 352 | Cultural Issues in Design | 3 | 0 | 3 | 3 |
| FAE 387 | Digital Communication in Architecture | 3 | 0 | 3 | 3 |
| FAE 482 | Renewable Energy Sources | 3 | 0 | 3 | 3 |
| FAE 476 | Determination of Medium Scale Hospital Needs Programme | 3 | 0 | 3 | 3 |
| FAE 452 | Prefabricated Construction Systems | 3 | 0 | 3 | 3 |
| FAE 449 | Introduction to Architectural Structure | 3 | 0 | 3 | 3 |
| FAE 455 | The Limits of Architectural Critisizm | 3 | 0 | 3 | 3 |
| FAE 487 | Rhinoceras | 3 | 0 | 3 | 3 |

Additional Notes

A total of 240 ECTS credits of courses are required to graduate. The Computer Engineering students must complete technical and non-technical elective courses to provide a total of 240 ECTS credits. Otherwise they will not be deemed to fulfil the conditions to graduate from the program.

## Important Information about the Elective Courses

The students of Architecture department must take twelve elective courses to graduate.
ECTS credits of elective courses should be equal or greater than the credits specified in the curriculum.
Important Information about the Non-Technical Electives

The students of Architecture department must take three non-technical elective courses to graduate. These can be selected from the General Elective Courses (courses with GEC codes) or Generated Common Elective (courses with GCE codes), which are offered by the Common Courses Coordination Unit (odk.neu.edu.tr). The list of these courses are updated every semester.

Important Information about the Faculty Electives

The students of Architecture department must take four Faculty elective courses to graduate. These can be selected from the Faculty Elective Courses (courses with FAE and LAR codes) which are offered by the other Departments. The list of these courses are updated every semester.

Important Information about the Technical Electives

The students of Architecture department must take four Department elective courses (technical electives) to graduate. These can be selected from the Department Elective Courses (courses with ARC codes) which are offered by the Department. The list of these courses are updated every semester.

ECTS credits of GEC/GCE courses or FAE/LAR courses should be equal or greater than the credits specified in the curriculum

* The Architecture students must ensure that while selecting a new technical, GEC or GCE elective course, it should not be the same, similar or less comprehensive as any course you have previously taken in your curriculum or any compulsory course in your curriculum that you have not taken yet. In this case, the courses you have taken will not be counted as any elective courses and will not fulfil any qualifications in the curriculum.

If you need support for these courses due to your disability, please refer to Disability Support Unit. Contact; engelsiz@neu.edu.tr

## Exam Regulations \& Assessment \& Grading

## Exam Regulations and, Assessment, and Grading

For each course taken at NEU, the student is given one of the letter grades below by the instructor as the semester course grade. Each grade has also its ECTS grade equivalent

The table below provides the detailed information about the local letter grades, coefficients and ECTS grade equivalents.

| SCORE | GRADE | COEFFICIENT | ECTS Grade |
| :--- | :--- | :--- | :--- |
| $90-100$ | AA | 4.0 | A |
| $85-89$ | BA | 3.5 | $B^{*}$ |
| $80-84$ | BB | 3.0 | $B^{*}$ |


| $75-79$ | CB | 2.5 | C $^{*}$ |  |
| :--- | :--- | :--- | :--- | :--- |
| $70-74$ | CC | 2.0 | $C^{*}$ |  |
|  | $60-69$ | DC | 1.5 | D |
|  | $50-59$ | DD | 1.0 | E |
|  | 49 and below | FF | 0.0 | F |

*for these ones, the higher grade is applied
In order to be successful in a course, short cycle (associate degree) and first cycle (bachelor's degree) students have to get a grade of at least DD, second cycle (master's degree) students have to get a grade of at least CC, and third cycle (Ph.D.) students have to get a grade of at least CB to pass a course. For courses which are not included in the cumulative GPA, students need to get a grade of S.

Apart from that, each local grade has it is equivalent ECTS grade which makes it easier to transfer the grades of mobility periods of students. The chart above shows the ECTS grading system at NEU.

Also, among the Letter Grades;

| I | Incomplete |
| :--- | :--- |
| S | Satisfactory Completion |
| U | Unsatisfactory |
| P | Successful Progress |
| NP | Not Successful Progress |
| EX | Exempt |
| NI | Not included |
| W | Withdrawal |
| NA | Non-Attendance |

Grade of I (Incomplete), is given to students who are not able to meet all the course requirements at the end of the semester or summer school due to a valid justification accepted by the instructor. Students who receive a letter grade "I" must complete their missing course requirements and receive a letter grade within one week following the date the end of semester grades or summer school grades submitted. However, in the event of special cases, this period can be extended until two weeks before the beginning of registration for the next
semester, upon the recommendation of the respective Graduate School department head and the decision of that academic unit's administrative board. Otherwise, grade of "I" will automatically become grade of FF, or grade of U.

Grade of S (Satisfactory) is given to students who are successful in non-credited courses.
Grade of U (Unsatisfactory) is given to students who are unsuccessful in non-credited courses.
Grade of P (Successful Progress) is given to students, who continue to the courses that are not included in the GPA that has a period exceeding one semester, and regularly performs the academic studies for the respective semester.

Grade of NP (Not Successful Progress) is given to students, who do not regularly perform the academic studies for the respective semester for courses that are not included in the GPA and have a period exceeding one semester.

Grade of EX (Exempt), is given to students who are exempt from some of the courses in the curriculum.
Grade of NI (Not included) is issued to identify the courses taken by the student in the program or programs which are not included in the GPA of the student. This grade is reported in the students' transcripts with the respective letter grade. Such courses are not counted as the courses in the program that the student is registered to.

Grade of W (Withdrawal) is used for the courses that the student withdraws from in the first ten weeks of the semester following the add/drop period, upon the recommendation of his/ her advisor and the permission of the instructor that teaches the course. A student is not allowed to withdraw from courses during the first two semesters of his/ her associate/undergraduate degree program and from those courses he/she has to repeat and received grade "W" before, which are not included in the grade average. A student is allowed to withdraw from two courses at the most during his/ her associate degree study, and four courses during his/her undergraduate study upon the recommendation of the advisor and the permission of the instructor that teaches the course. A student has to take the course that he/she withdrew from, the first semester in which it is offered.

Grade "NA" (Non-Attendance) is issued by the instructor for students who fail to fulfil the attendance and/or requirements of the course and/or who lose their right to take the end of semester exam because they failed to take any of the exams administered throughout the semester. Grade "NA" is not considered in the average calculations.

Both the ECTS grades and the local grades of the students are displayed on the official transcript of the students.

## $>$ GRADUATION REQUIREMENTS

In order to graduate from this undergraduate program, the students are required;
to succeed in all of the courses listed in the curriculum of the program by getting the grade of at least DD/S with a minimum of 240 ECTS
to have a Cumulative Grade Point Average (CGPA) of 2.00 out of 4.00
to complete their compulsory internship in a specified duration and quality.

## > MODE OF STUDY

This is a full time program.
> PROGRAM DIRECTOR (OR EQUIVALENT)

Prof.Dr.A. Zeynep Onur, Head of Department, Faculty of Architecture, Near East University
> EVALUATION QUESTIONNAIRES
Evaluation Survey
Graduation Survey

Satisfaction Survey

