AIN SHAMS UNIVERSITY
ENVIRONMENTAL ARCHITECTURE AND URBANISM
PROGRAMME SPECIFICATION

Programme Aim and Title	BSc (Hons) Environmental Architecture and Urbanism
Intermediate Awards Available	BSc, DipHE, CertHE, University Certificate
Teaching Institution(s)	Ain Shams University, Cairo, Egypt
Alternative Teaching Institutions (for local arrangements see final section of this specification)	N/A
UEL Academic School	Architecture, Computing and Engineering
UCAS Code	N/A
Professional Body Accreditation	N/A
QAA Benchmark Statements	QAA 2014, Architectural Technology
Additional Versions of this Programme	NA
Date Specification Last Updated	November 2018

Programme Aims and Learning Outcomes

This programme is designed to:

- Prepare architects and urban planners specialised in environmental design.
- Produce graduate architects and urban planners who are capable of understanding the relationship between humans and buildings and between buildings and the built environment. They are capable of integrating all the aspects dealing with the built environment and how it is planned, designed, used, furnished, landscaped, managed, and valued by the society through creative thinking while dealing with complex architectural and urban environmental problems.
- Introduce students to building science and enable them to conceive the basic concepts of sustainable architecture and urbanism. Students are trained to balance functional and ecological demands when developing policies or designs for new construction. Graduates will be able to deal with modern techniques and tools for learning and linking theory and practice.

What you will learn:

Knowledge

- Knowledge and understanding of essential facts, concepts, principals and theories relating to Architectural Design Technology.
- The role of and contribution made by different stakeholders within the construction industry.

The linkages and interdisciplinary relationships between professionals working and operating in the built and natural environments.

- The ability to apply such knowledge and understanding to the solution of qualitative and quantitative problems of a familiar and unfamiliar nature.

- The knowledge and ability to recognise and implement good practice.
- Describe the key concepts, theories and principles used in construction industry.
  These will include measurement; physical and financial appraisal of buildings; legal principles; applied economics; design factors affecting construction and buildability; the performance of buildings; resource management; document and data handling, and the application of business management theories.

Thinking skills

- Skills in the analysis, synthesis and evaluation of technological information and data, and the ability to develop and design creative and innovative solutions.
- The ability to make informed judgements based on evidence, and being able to question current theories and practice.
- The ability to recognise and analyse problems and plan novel strategies for their solution.
- Evaluate and plan construction activities and undertake the process used to manage and control them.
- Appreciate professional ethics, their impact on the operation of the professions and their influence on the society; conflict avoidance/dispute resolution; communities and the stakeholders with whom they have contact.

Subject-Based Practical skills

- The ability to use information technology (IT) independently to support previously identified cognitive abilities and skills.
- The skills in presenting architectural technology information and arguments clearly and correctly, in writing, drawing, and verbally, to a range of audiences.
- The ability to produce quality architectural presentations through various media, including paper/computer aided design drawings and sketches, schedules, calculations, photography, electronic visualisations, and models.
- Demonstrate the ability to work effectively with others within the context of a multidisciplinary team; respecting inputs from fellow professionals, client(s), and other stakeholders and reflecting on one's own performance and role within the team.

Skills for life and work (general skills)

- Develop a strategy for using the relevant key skill over an extended period of time, and plan how this will be achieved.
- Monitor progress, critically reflect on their performance in using the relevant skill, and adapt their strategy, as necessary, to achieve the quality of outcomes required.
- Evaluate their overall strategy and present the outcomes from their work, including ways of further improving their skills.
- Locate, extract and analyse data from multiple sources, including drawn information.
- Present quantitative and qualitative information, together with analysis, argument and commentary, in a form appropriate to the intended audience, including appropriate acknowledgement and referencing of sources.
- Produce professional reports in accordance with published conventions and/or client expectations, including executive summaries.

- Demonstrate wider research skills to aid in the development of a cumulative element of original work.

Learning and Teaching

Knowledge is developed through

- Guided reading
- Attending lectures / guest presentations
- Knowledge-based activities with feedback
- Online discussions and activities
- preparation for examinations and timed controlled assignments

Thinking skills are developed through

- Reflective activities with feedback
- Tutorial activities and discussions.
- Online discussions and activities
- Preparation of coursework assignments

Practical skills are developed through

- IT activities with feedback
- Research skills-based activities with feedback
- Seminar preparation and presentations
- Applying technical regulations to given scenarios
- Application to real life and simulated case studies

Skills for life and work (general skills) are developed through

- The demands of the study medium
- Planning activities with feedback
- Project and team work
- Using specialist ICT and software

Assessment

The assessment methods to achieve the different learning outcomes are as follows:

Knowledge is assessed by

- Project work
- Coursework
- Reports
- Examinations

- Individual oral presentations

Thinking skills are assessed by

- Project work
- Coursework
- Time controlled assessments
- Individual oral presentations

Practical skills are assessed by

- Project work
- Practical reports
- Portfolio completion
- Timed controlled assessments

Skills for life and work (general skills) are assessed by

- Project work
- Group work
- Coursework

Students with disabilities and/or particular learning needs should discuss assessments with the Programme Leader to ensure they are able to fully engage with all assessment within the programme.

Work or Study Placements

We encourage full time students to seek work experience during their academic course, especially during the summer vacations period.

Programme Structure

The Programme follows the British system: One academic year covers 120 credits.

All programmes are credit-rated to help you to understand the amount and level of study that is needed.

One credit is equal to 10 hours of directed study time (this includes everything you do e.g. lecture, seminar and private study).
Credits are assigned to one of 5 levels:

3 Equivalent in standard to GCE 'A' level and is intended to prepare students for year one of an undergraduate degree programme.
4 Equivalent in standard to the first year of a full-time undergraduate degree programme.

5 Equivalent in standard to the second year of a full-time undergraduate degree programme.
6 Equivalent in standard to the third year of a full-time undergraduate degree programme.
7 Equivalent in standard to a Masters degree.

Programmes are made up of modules that are each credit weighted.

The module structure of this programme:

Level	UEL module code	Ain Shams Module Code	Module Title	Credit Weighting	Core/Option	Available by Distance Learning? Y/N
Architecture and Urbanism track						
3	AR3101	EG0311	Design Fundamentals Techniques	30	Core	N
3	AR3102	EG0312	Architecture Design Studio (1)	30	Core	N
3	AR3103	EG0313	History, Theory & Communication	30	Core	N
3	AR3104	EG0314	Building Technology and Materials (1)	30	Core	N
Architecture and Urbanism track						
4	AR4101	EG0421	Issues of the Built Environment	30	Core	N
4	AR4102	EG0422	Building Technology and Materials (2)	30	Core	N
4	AR4103	EG0423	Architectural Design Studio (2)	30	Core	N
4	AR4104	EG0424	Technical Studies in Architecture (1)	30	Core	N
Architecture and Urbanism track						
5	AR5103	EG0531	Principles of Law and Project Evaluation	15	Core	N

5	AR5107	EG0535	Real Estate Management and Development	15	Core	N
5	AR5104	EG0532	Tendering, and Execution Documents	30	Core	N
5	AR5105	EG0533	Architectural Design Studio (3)	30	Core	N
5	AR5106	EG0534	Technical Studies in Architecture (2)	30	Core	N
Architecture track						
6	AR6103	EG0643	Architectural technical studies	30	Core	N
6	AR6102	EG1642	Architectural Design and Contextual Studies	30	Core	N
6	AR6101	EG1641	Architectural Design Studio (4)	30	Core	N
6	AR6104	EG1644	Technical Studies and Building Systems	30	Core	N
Urbanism track						
6	AR6105	EG2641	Urbanism Design Studio (4)	30	Core	N
6	AR6106	EG2642	Urban technical studies	30	Core	N
6	AR6107	EG2643	Urban Design and Contextual Studies	30	Core	N
6	AR6108	EG2644	Technical Studies and Urbanism	30	Core	N

Please note: Optional modules might not run every year, the programme team will decide on an annual basis which options will be running, based on student demand and academic factors, in order to create the best learning experience.

Additional detail about the programme module structure:

A core module for a programme is a module which a student must have passed (i.e. been awarded credit) in order to achieve the relevant named award. An optional module for a programme is a module selected from a range of modules available on the programme.

The overall credit-rating of this programme is 480 credits. If for some reason you are unable to achieve this credit you may be entitled to an intermediate award, the level of the award will depend on the amount of credit you have accumulated.

Programme Specific Regulations

NA

Typical Duration

This is a full-time study programme. The minimum allowed study duration is 4 Years / 8 terms.

Further Information

More information about this programme is available from:

- The ASU web site (http://eng.asu.edu.eg)
- The programme handbook
- Module study guides
- For further information, contact the ENVR-CHEP programme via email: ENVR.chep@eng.asu.edu.eg

All Faculty of Engineering, Ain Shams University programmes are subject to thorough programme approval procedures and quality check by the National Authority for Quality Assurance and Accreditation in Education (NAQAAE) before they are allowed to commence. We also constantly monitor, review and enhance our programmes by listening to student and employer views and the views of external examiners and advisors.

Tuition Fees

- Tuition fees, set per 120 credits, are specified yearly by the University administration based on the recommendation of the Programmes Administration Council and the approval of the Council of the Faculty of Engineering.
- The student will sign a pledge to abide by the educational service charges proposed by the Faculty, and approved by the University, with the commitment of timely payment of fees from admission until graduation.
- The tuition fees are paid every year (the first semester of each year) based on 120 credits registered by the student,
- The educational service fees for the Summer semester are determined separately.

Additional Costs

There are no mandatory additional costs

Alternative Options of Delivery

NA