



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الاهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY



Al Alamein  
International University

## Environmental Architecture & Technology Program

برنامج العمارة البيئية وتكنولوجيا البناء

### Study Plan

الخطط الدراسية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
1	MEC011	Engineering Drawing (1)	1	2	3	0	6	3	180	6
	PHY111	Physics I	2	2	0	0	4	3	150	6
	MAT111	Mathematics I	3	1	0	0	4	3	150	6
	MAT122	Statics	2	2	0	0	4	3	150	6
	UC1	University Requirement (1)	2	0	0	0	2	2	90	4
	UC2	University Requirement (2)	2	0	0	0	2	2	90	4
	UC3	University Requirement (3)	2	0	0	0	2	2	90	4
							<b>24</b>	<b>18</b>	<b>900</b>	<b>36</b>
2	MEC012	Engineering Drawing (2)	1	2	3	0	6	3	180	6
	MEC041	Production Engineering	2	3	0	0	5	3	165	6
	CHE142	Engineering Chemistry	2	2	0	0	4	3	150	6
	PHY322	Solid state physics	2	2	0	0	4	3	150	6
	MAT112	Mathematics II	2	2	0	0	4	3	150	6
	MAT121	Dynamics	2	2	0	0	4	3	150	6
							<b>27</b>	<b>18</b>	<b>945</b>	<b>36</b>
	MEC151	Thermal Energy	2	0	2	0	4	3	150	6



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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
3	ARC111	Visual Perception, Art & Design	1	0	4	0	5	3	165	6
	ARC131	History & Theory of Ancient Architecture	1	0	2	0	3	2	105	4
	ARC141	Introduction to Building Systems	2	0	2	0	4	3	150	6
	PHY211	Physics II	2	2	0	0	4	3	150	6
	UC4	University Requirement (4)	2	0	0	0	2	2	90	4
							<b>22</b>	<b>16</b>	<b>810</b>	<b>32</b>
4	CIV112	Strength of Materials	2	1	2	0	5	3	165	6
	CIV113	Structural Analysis	2	0	2	0	4	3	150	6
	CIV131	Surveying (1)	2	2	2	0	6	3	180	6
	ARC121	Architectural Studio 1	2	0	4	0	6	4	210	8
	ARC132	History & Theory of Medieval Architecture	2	0	2	0	4	3	150	6
	UC5	University Requirement (5)	2	0	0	0	2	2	90	4
							<b>27</b>	<b>18</b>	<b>945</b>	<b>36</b>
5	CIV211	Concrete Structures Design (1)	3	1	0	0	4	3	150	6
	ARC222	Architectural Studio 2	2	0	4	0	6	4	210	8
	ARC233	History of Islamic Architecture	1	0	2	0	3	2	105	4
	ARC242	Sanitary Installations	2	0	2	0	4	3	150	6
	ARC271	Introduction to Urban Design	1	0	4	0	5	3	165	6
							<b>22</b>	<b>15</b>	<b>780</b>	<b>30</b>
6	CIV212	Steel Structures Design (1)	2	0	2	0	4	3	150	6
	ARC212	Interior Design & Modern Art	1	0	4	0	5	3	165	6
	ARC223	Architectural Studio 3	2	0	4	0	6	4	210	8
	ARC234	Theory & Criticism of Modern & Contemporary Architecture	1	0	2	0	3	2	105	4
	ARC235	History & Theory of City Planning	1	0	2	0	3	2	105	4



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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	ARC272	Landscape Architecture	1	0	4	0	5	3	165	6
								<b>26</b>	<b>17</b>	<b>900</b>
7	ARC325	Environmental Design Studio 1	2	0	4	0	6	3	165	6
	ARC335	20th Century Egyptian Architecture & Arts	1	0	2	0	3	2	105	4
	ARC343	Working Drawing Studio 1	2	0	4	0	6	4	210	8
	ARC355	Illumination & Ventilation in Buildings	1	0	2	0	3	2	105	4
	ARC373	Urban Planning	2	0	2	0	4	3	150	6
	UE1	Elective University (1)	2	0	0	0	2	2	90	4
							<b>24</b>	<b>16</b>	<b>825</b>	<b>32</b>
8	ARC326	Environmental Design Studio 2	2	0	4	0	6	3	165	6
	ARC344	Working Drawing Studio 2	2	0	4	0	6	4	210	8
	ARC356	Architectural Acoustics	1	0	2	0	3	2	105	4
	ARC381	Professional Practice & Legislations	2	0	1	0	3	2	105	4
	E1	Elective Course (1)	2	0	2	0	4	3	150	6
	UE2	Elective University (2)	2	0	0	0	2	2	90	4
							<b>24</b>	<b>16</b>	<b>825</b>	<b>32</b>
9	ARC427	Environmental Design & Technology Studio	2	0	4	0	6	4	210	8
	ARC458	Feasibility Studies & Project Management	1	0	4	0	5	3	165	6
	ARC474	Housing	1	0	4	0	5	3	165	6
	ARC491	Graduation Project 1	1	3	2	0	6	3	150	6
	E2	Elective Course (2)	2	0	0	0	2	2	90	4
							<b>24</b>	<b>15</b>	<b>780</b>	<b>30</b>
10	ARC492	Graduation Project 2	2	3	3	1	9	4	225	8
	E3	Elective Course (3)	2	0	2	0	4	3	150	6
	E3	Elective Course (3)	2	0	2	0	4	3	150	6



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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	UC6	University Requirement (6)	2	0	0	0	2	2	90	4
	UC7	University Requirement (7)	2	0	0	0	2	2	90	4
	UE3	Elective University (3)	2	0	0	0	2	2	90	4
							<b>23</b>	<b>16</b>	<b>795</b>	<b>32</b>
							<b>243</b>	<b>165</b>	<b>8505</b>	<b>330</b>

### Elective (E1)

- ARC336 Architecture, Culture & Heritage
- ARC437 Documentation of Heritage Buildings
- ARC438 Heritage Management
- ARC439 Restoration & Upgrading of Heritage Buildings

### Elective (E2)

- ARC375 Community Development Participatory Design
- ARC476 Sustainable Urbanism
- ARC478 Sustainable Landscape
- SHS204 Urban Sociology

### Elective (E3)

- ARC382 Building Economics & Cost Benefit Analysis
- ARC483 Real Estate Marketing
- ARC484 Advanced Building Systems
- ARC485 Applications of GIS