



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY



Architectural Design & Digital Architecture Program

برنامج التصميم المعماري والعمارة الرقمية

Study Plan

الخطة الدراسية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
1	MEC011	Engineering Drawing (1)	2	0	3	0	5	3	165	6
	PHY111	Physics I	2	2	0	0	4	3	150	6
	MAT111	Mathematics I	3	0	1	0	4	3	150	6
	MAT122	Statics	3	1	1	0	5	3	165	6
	CHE142	Engineering Chemistry	2	2	1	0	5	3	150	6
	UC1	University Requirement (1)	2	0	0	0	2	2	90	4
							25	17	870	34
2	MEC012	Engineering Drawing (2)	2	3	0	0	5	3	165	6
	MEC041	Production Engineering	2	3	0	0	5	3	165	6
	PHY211	Physics II	2	2	0	0	4	3	150	6
	MAT112	Mathematics II	3	0	1	0	4	3	150	6
	MAT121	Dynamics	3	1	1	0	5	3	165	6
	UC2	University Requirement (2)	2	0	0	0	2	2	90	4
							25	17	885	34
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



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	PHY467	Energy Efficiency in Buildings and ECBC	2	3	0	0	5	3	165	6
	CIV115	Mechanics of structures	2	0	2	0	3	3	150	6
	UC3	University Requirement (3)	2	0	0	0	2	2	90	4
							22	16	825	32
4	ARC112	Architectural Drafting	1	0	7	0	8	4	255	8
	ARC132	History & Theory of Medieval Architecture	2	0	2	0	4	3	150	6
	ARC271	Introduction to Urban Design	2	0	1	0	3	2	120	4
	MEC151	Thermal Energy	2	0	2	0	4	3	150	6
	CIV132	Architectural Surveying	2	2	2	0	6	3	180	6
	UC4	University Requirement (4)	2	0	0	0	2	2	90	4
						27	17	945	34	
5	CIV211	Concrete Structures Design (1)	2	0	2	0	4	3	150	6
	ARC121	Architectural Studio 1	1	1	6	0	8	4	255	8
	ARC233	History of Islamic Architecture	1	0	2	0	3	2	105	4
	ARC242	Sanitary Installations & Architectural Acoustics	2	0	2	0	4	3	150	6
	E1	Elective Course (1)	1	0	4	0	5	3	165	6
	UC5	University Requirement (5)	2	0	0	0	2	2	90	4
						26	17	915	34	
6	CIV212	Steel Structures Design	2	0	2	0	4	3	150	6
	CIV233	Properties of materials, Soil mechanics and foundations	2	2	2	0	6	3	180	6
	ARC335	20th Century Egyptian Architecture & Arts	1	0	2	0	3	2	105	4
	ARC222	Architectural Studio 2	1	1	4	0	6	4	255	8
	ARC234	Theory & Criticism of Modern & Contemporary Architecture	1	0	2	0	3	2	105	4



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	ARC272	Landscape Architecture	1	0	4	0	5	3	165	6
							27	17	960	34
7	ARC223	Architectural Studio 3	1	1	4	0	6	4	255	8
	ARC235	History & Theory of City Planning	1	0	2	0	3	2	105	4
	ARC343	Working Drawing Studio 1	2	0	4	0	6	4	210	8
	E2	Elective Course (2)	1	0	4	0	5	3	165	6
	UC6	University Requirement (6)	2	0	0	0	2	2	90	4
	UE1	Elective University (1)	2	0	0	0	2	2	90	4
							24	17	915	34
8	ARC383	Digital Design & Fabrication Studio 1	1	3	2	0	6	3	180	6
	ARC344	Working Drawing Studio 2	2	0	4	0	6	4	210	8
	ARC355	Illumination & Ventilation in Buildings	1	0	2	0	3	2	105	4
	ARC391	Field Project	1	6	0	0	7	3	195	6
	E3	Elective Course (3)	1	0	4	0	5	3	165	6
	UE2	Elective University (2)	2	0	0	0	2	2	90	4
							29	17	945	34
9	ARC427	Environmental Design & Technology Studio	2	0	4	0	6	4	210	8
	ARC384	Digital Design & Fabrication Studio 2	1	3	2	0	6	3	180	6
	ARC491	Graduation Project 1	2	3	2	0	7	4	225	8
	E4	Elective Course (4)	1	0	4	0	5	3	165	6
	UC7	University Requirement (7)	2	0	0	0	2	2	90	4
							26	16	870	32
10	ARC492	Graduation Project 2	2	6	4	0	12	6	360	11
	E5	Elective Course (5)	1	0	4	0	5	3	165	6
	E6	Elective Course (6)	1	0	4	0	5	3	165	6



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	UE3	Elective University (3)	2	0	0	0	2	2	90	4
							24	14	780	27
							255	165	8910	329

Elective (E1)

- ARC212 Interior Design & Modern Art
- ARC301 Knowledge Based Systems
- ARC303 Introduction to Shape Grammars

Elective (E2, E3, E4, E5, E6)

- ARC302 Geometric Modeling
- ARC321 Independent Studies: Smart Building Information Systems
- ARC327 Special Problems in Building Construction
- ARC336 Architecture, Culture & Heritage
- ARC354 Sustainable Buildings Rating Systems
- ARC366 Smart Architecture
- ARC382 Building Economics & Cost Benefit Analysis
- ARC404 Selected Topics in Architecture & Urban Design
- ARC458 Feasibility Studies & Project Management
- ARC474 Housing
- ARC483 Real Estate Marketing
- ARC484 Advanced Building Systems
- ARC485 Applications of GIS
- ARC499 Special Topic