



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY

Al Alamein
International University

Engineering & Construction Management Program

برنامج هندسة وإدارة الإنشاءات

Study Plan

الخطة 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
							24	18	900	36
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
	PHY321	Crystallography & bonding	1	2	0	0	3	2	105	4
	MAT112	Mathematics II	2	2	0	0	4	3	150	6
	MAT121	Dynamics	2	2	0	0	4	3	150	6
							26	17	900	34



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3	MEC151	Thermal Energy	2	0	2	0	4	3	150	6
	CIV111	Structural Mechanics	2	0	2	0	4	3	150	6
	PHY211	Physics II	2	2	0	0	4	3	150	6
	MAT211	Mathematics III	2	2	0	0	4	3	150	6
	UC4	University Requirement (4)	2	0	0	0	2	2	90	4
	UC5	University Requirement (5)	2	0	0	0	2	2	90	4
							20	16	780	32
4	MEC120	Manufacturing Technology	3	3	0	0	6	4	210	8
	CIV112	Strength of Materials	2	1	2	0	5	3	165	6
	CIV113	Structural Analysis	2	0	2	0	4	3	150	6
	CIV114	Civil Engineering Drawing	3	2	0	0	5	3	165	6
	CIV131	Surveying (1)	2	2	2	0	6	3	180	6
							26	16	870	32
5	CIV211	Concrete Structures Design (1)	3	1	0	0	4	3	150	6
	CIV212	Steel Structures Design (1)	2	0	2	0	4	3	150	6
	CIV213	Concrete Technology (1)	2	1	2	0	5	3	165	6
	CIV232	Soil Mechanics (1)	2	1	2	0	5	3	165	6
	MAT112	Mathematics II	2	2	0	0	4	3	150	6
							22	15	780	30
6	MEC231	Engineering economy	3	0	1	0	4	3	150	6
	CIV214	Concrete Technology (2)	2	1	2	0	5	3	165	6
	CIV215	Foundation Design (1)	3	1	1	0	5	3	165	6
	CIV219	Geology	3	1	1	0	5	3	165	6
	CIV222	Fluid Mechanics for Civil Engineers	3	1	2	0	6	4	210	8
	CIV311	Finite Element Method	2	0	1	0	3	2	105	4



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							28	18	960	36
7	ELE271	Electrical Machines	3	1	1	0	5	3	165	6
	CIV318	Sustainability of Construction & Building Physics	3	0	1	0	4	3	150	6
	CIV321	Ground Improvement	3	0	1	0	4	3	150	6
	CIV331	Surveying (2)	2	2	2	0	6	3	180	6
	E1	Elective Course (1)	3	0	0	0	3	3	135	6
	UE1	Elective University (1)	2	0	0	0	2	2	90	4
							24	17	870	34
8	CIV312	Concrete Structures Design (2)	3	1	0	0	4	3	150	6
	CIV391	Field Project	1	6	0	0	7	3	195	6
	CIV415	Programming in Structural Analysis	3	0	1	0	4	3	150	6
	CIV442	Management of Project Resources	3	1	1	0	5	3	165	6
	FIN231	Finance	3	0	1	0	4	3	150	6
	UE2	Elective University (2)	2	0	0	0	2	2	90	4
							26	17	900	34
9	CIV441	Cost Estimation & Project Control	2	0	1	0	3	2	105	4
	CIV462	Legal & Contracts Issues in Construction Projects	2	0	1	0	3	2	105	4
	CIV491	Graduation project 1	1	6	0	0	7	3	195	6
	E2	Elective Course (2)	2	0	0	0	4	3	150	6
	E2	Elective Course (2)	2	0	0	0	4	3	150	6
	E2	Elective Course (2)	2	0	0	0	4	3	150	6
							25	16	855	32
10	CIV492	Graduation project 2	1	6	0	0	7	3	195	6
	E2	Elective Course (2)	2	0	0	0	4	3	150	6
	E2	Elective Course (2)	2	0	0	0	4	3	150	6



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	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
							21	15	765	30
							242	165	8580	330

Elective (E1)

CIV216 Computer Aided Structural Design
COM325 Communication Management

Elective (E2)

CIV218 Sustainability of Construction & Building Physics
CIV431 Problematic Soil & Rock Mechanics
CIV443 Insulation Works
CIV454 Sustainable development
CIV455 Control of industrial pollution
CIV461 Risk & Safety Management
COM422 Risk & Crises Communication