



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)	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	3	0	0	5	3	165	6
	UC1	University Requirement (1)	2	0	0	0	2	2	90	4
							25	17	885	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	CIV110	Properties and Testing of Materials	٢	٠	١	٠	٣	٢	١٠٥	٤
	CIV111	Structural Analysis (1)	٢	٠	٢	٠	٤	٣	١٥٠	٦
	CIV114	Civil Engineering Drawing	٢	١	٢	٠	٥	٣	١٦٥	٦



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY

Al Alamein
International University

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	CIV131	Surveying (1)	2	2	1	0	5	3	165	٦
	MAT312	Differential Equations	2	0	2	0	4	3	150	6
	UC3	University Requirement (3)	2	0	0	0	2	2	90	4
							23	16	825	32
4	CIV215	Geology	٢	١	٢	٠	٥	٣	١٦٥	٦
	CIV112	Strength of Materials	2	1	2	0	5	3	165	6
	CIV231	Surveying (2)	2	2	1	0	5	3	165	٦
	MAT131	Probability and Statistics (1)	2	1	2	0	5	3	195	6
	CIV113	Structural Analysis (2)	٢	٠	٢	٠	٤	٣	١٥٠	٦
	UC4	University Requirement (4)	2	0	0	0	2	2	90	4
							26	17	930	34
5	CIV211	Concrete Structures Design (1)	2	0	2	0	4	3	150	6
	CIV212	Steel Structures Design	2	0	2	0	4	3	150	6
	MEC231	Engineering Economy	2	0	2	0	4	3	150	6
	CIV219	Soil Mechanics	2	1	2	0	5	3	165	6
	CIV213	Concrete Technology (1)	2	1	2	0	5	3	165	6
	UC5	University Requirement (5)	2	0	0	0	2	2	90	4
							24	17	870	34
6	CIV214	Concrete Technology (2)	2	1	2	0	5	3	165	6
	CIV217	Project Management	2	1	١	0	٤	2	١٢٠	4
	CIV222	Fluid Mechanics and Water Resources	3	1	1	0	5	3	165	6
	CIV232	Foundation Design	2	1	2	0	5	3	165	6
	CIV244	Transportation Engineering	2	1	2	0	5	3	165	6
	CIV311	Finite Element Method	2	0	1	0	3	2	105	4
							27	16	885	32



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY

Al Alamein
International University

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
7	CIV318	Planning and scheduling for Construction	٢	١	٢	٠	٥	٣	١٦٥	٦
	CIV321	Ground Improvement	٢	٠	٢	٠	٤	٣	١٥٠	٦
	CIV312	Concrete Structures Design (2)	٢	٠	٢	٠	٤	٣	١٥٠	٦
	FIN231	Finance	3	0	1	0	4	3	150	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
							21	16	795	32
8	CIV391	Field Project	1	6	0	0	7	3	195	6
	CIV442	Management of Project Resources	2	1	2	0	5	3	165	6
	CIV441	Construction Estimating and Control	٢	٠	٢	٠	٤	٣	١٥٠	٦
	E1	Elective Course (1)	2	1	2	0	5	3	165	6
	E2	Elective Course (2)	2	0	2	0	4	3	150	6
	UE2	Elective University (2)	2	0	0	0	2	2	90	4
							27	17	915	34
9	CIV444	Methods and Equipment for Construction	٢	٠	٢	٠	٤	٣	١٥٠	٦
	CIV218	Sustainability of Construction & Building Physics	٢	0	1	٠	٣	٢	١٠٥	٤
	CIV491	Graduation project 1	1	6	0	0	7	3	195	6
	E3	Elective Course (3)	2	0	2	0	4	3	150	6
	E4	Elective Course (4)	2	0	2	0	4	3	150	6
	UC7	University Requirement (7)	2	0	0	0	2	2	90	4
							24	16	840	32
10	CIV492	Graduation project 2	1	6	0	0	7	3	195	6
	E5	Elective Course (5)	2	0	2	0	4	3	150	6
	E6	Elective Course (6)	2	0	2	0	4	3	150	6
	CIV415	Dynamics of Structures	٢	١	٢	٠	٥	٣	١٦٥	٦



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY

Al Alamein
International University

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	CIV462	Legal & Contracts Issues in Construction Projects	٢	٠	١	٠	٣	٢	١٠٥	٤
	UE3	Elective University (3)	2	0	0	0	2	2	90	4
							25	16	855	32
							247	165	8685	330

Elective (E1)

- CIV316 Computer Aided Structural Design
- CIV344 Design of Transportation Structures
- CIV347 Design of Environmental Engineering

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

- CIV431 Problematic Soil & Rock Mechanics
- CIV443 Insulation Works
- CIV451 RC halls and industrial buildings
- CIV452 RC high rise buildings
- CIV453 Prestressed concrete and RC bridges
- CIV454 Liquid containing structures
- CIV455 Quality Control and Repair of Structures
- CIV461 Risk & Safety Management
- CIV499 Special Topic