



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN 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	2	1	0	5	3	150	6
	UC1	University Requirement (1)	2	0	0	0	2	2	90	4
							<b>25</b>	<b>17</b>	<b>870</b>	<b>34</b>
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
							<b>25</b>	<b>17</b>	<b>885</b>	<b>34</b>
3	CIV110	Properties and Testing of Materials	2	0	1	0	3	2	105	4
	CIV111	Structural Analysis (1)	2	0	2	0	4	3	150	6
	CIV114	Civil Engineering Drawing	2	1	2	0	5	3	165	6



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY



Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	CIV131	Surveying (1)	2	2	2	0	6	3	180	6
	MAT312	Differential Equations	2	0	2	0	4	3	150	6
	UC3	University Requirement (3)	2	0	0	0	2	2	90	4
							<b>24</b>	<b>16</b>	<b>840</b>	<b>32</b>
4	CIV215	Geology	2	1	2	0	5	3	165	6
	CIV112	Strength of Materials	2	1	2	0	5	3	165	6
	CIV231	Surveying (2)	2	2	2	0	6	3	180	6
	MAT131	Probability and Statistics (1)	2	1	2	0	5	3	195	6
	CIV113	Structural Analysis (2)	2	0	2	0	4	3	150	6
	UC4	University Requirement (4)	2	0	0	0	2	2	90	4
							<b>27</b>	<b>17</b>	<b>945</b>	<b>34</b>
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
							<b>24</b>	<b>17</b>	<b>870</b>	<b>34</b>
6	CIV214	Concrete Technology (2)	2	1	2	0	5	3	165	6
	CIV217	Project Management	2	1	0	0	3	2	105	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
							<b>26</b>	<b>16</b>	<b>870</b>	<b>32</b>



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY



Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
7	CIV318	Planning and scheduling for Construction	2	1	2	0	5	3	165	6
	CIV321	Ground Improvement	2	0	2	0	4	3	150	6
	CIV312	Concrete Structures Design (2)	2	0	2	0	4	3	150	6
	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
							<b>21</b>	<b>16</b>	<b>795</b>	<b>32</b>
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	2	0	2	0	4	3	150	6
	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
							<b>27</b>	<b>17</b>	<b>915</b>	<b>34</b>
9	CIV444	Methods and Equipment for Construction	2	0	2	0	4	3	150	6
	CIV218	Sustainability of Construction & Building Physics	2	0	1	0	3	2	105	4
	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
							<b>24</b>	<b>16</b>	<b>840</b>	<b>32</b>
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	2	1	2	0	5	3	165	6



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY



Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	CIV462	Legal & Contracts Issues in Construction Projects	2	0	1	0	3	2	105	4
	UE3	Elective University (3)	2	0	0	0	2	2	90	4
							<b>25</b>	<b>16</b>	<b>855</b>	<b>32</b>
							<b>248</b>	<b>165</b>	<b>8685</b>	<b>330</b>

### 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