



CYPRUS INTERNATIONAL UNIVERSITY

FACULTY OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING Undergraduate Curriculum

1st Semester			2nd Semester		
CODE	COURSE NAME	CREDIT	CODE	COURSE NAME	CREDIT
CPE101	Introduction to Computing	(2-2) 3	CVL102	Introduction to Computing for Civil Engineering	(3-2) 4
ENG101	Reading and Writing Skills I	(2-2) 3	ENG102	Reading and Writing Skills II	(2-2) 3
CHM110	General Chemistry	(3-2) 4	MAT102	Calculus II	(3-2) 4
MAT101*	Calculus I	(3-2) 4	XXX-XXX	Free-Elective	(3-0) 3
CVL101	Engineering Graphics	(2-3) 3	PHY101	General Physics I	(3-2) 4
HTR100/ HCI100	History of Modern Turkey/History of Civilization	(2-0) 0	CVL100	Introduction to Civil Engineering	(1-0)0
MAT 121	Linear Algebra	(2-0) 2	TUR101/ TUR100	Introduction to Turkish/Turkish Language	(2-0) 0
TOTAL		19	TOTAL		18
3rd Semester			4th Semester		
CODE	COURSE NAME	CREDIT	CODE	COURSE NAME	CREDIT
PHY102	General Physics II	(3-2) 4	CVL252	Earth Science	(3-0) 3
CVL211	Engineering Mechanics I	(4-1) 4	CVL262	Surveying	(3-2) 4
CVL224	Materials Science	(4-1) 4	CVL222	Mechanics of Materials	(4-1) 4
MAT205	Introduction to Probability & Statistics	(4-1) 4	MAT204	Numerical Analysis	(3-1) 3
MAT 203	Differential Equations	(3-1) 3	CVL212	Engineering Mechanics II	(4-1) 4
TOTAL		19	TOTAL		18
5th Semester			6th Semester		
CODE	COURSE NAME	CREDIT	CODE	COURSE NAME	CREDIT
CVL351	Soil Mechanics	(3-1) 3	CVL372	Fundamentals of Reinforced Concrete	(4-1) 4
CVL331	Fluid Mechanics	(4-1) 4	CVL332	Hydromechanics	(4-1) 4
CVL341	Structural Analysis I	(4-1) 4	CVL392	Construction Engineering	(3-1) 3
CVL381	Materials of Construction	(2-3) 3	ILE232	Engineering Economy	(3-0) 3
CVL361	Principles of Transportation & Traffic Engineering	(3-1) 3	CVL374	Structural Analysis II	(3-2) 4
TOTAL		17	TOTAL		18
7th Semester			8th Semester		
CODE	COURSE NAME	CREDIT	CODE	COURSE NAME	CREDIT
CVL451	Foundation Design	(4-0) 4	EPR 402	Capstone Project	(2-4) 4
CVL491	Construction Management	(4-1) 4	XXX-XXX	Free Elective*	(3-0) 3
CVL471	Reinforced Concrete Design	(4-1) 4	CVL472	Steel Design	(3-0) 3
EPR 401	Project Management	(3-0) 3	EFE-XXX	Faculty Elective**	(3-0) 3
EFE-XXX	Faculty Elective**	(3-0) 3	EFE-XXX	Faculty Elective**	(3-0) 3
CLE300	Summer Training	-			
TOTAL		18	TOTAL		16

Total Credit: 143

FACULTY ELECTIVE COURSES

CODE	COURSE NAME	CREDIT	CODE	COURSE NAME	CREDIT
CLE324	Sustainable Water Resources Engineering	(3-0)3	CLE443	Repair & Maintenance of Concrete	(3-0)3
CLE325	Computer Aided Civil Engineering Design	(3-0)3	CLE442	Admixtures for Concrete	(3-0)3
CLE342	Advanced Materials of Construction	(3-0)3	CLE462	Advanced Foundation Engineering	(3-0)3
CLE343	Concrete Technology	(3-0)3	CLE463	Advanced Soil Mechanics	(3-0)3
CLE364	General Geotechnical Properties of Soils	(3-0)3	CLE465	Earth Structures	(3-0)3
CLE365	Soil Behaviour	(3-0)3	CLE485	Prestressed Concrete	(3-0)3
CLE390	Soil Stabilization	(3-0)3	CLE487	Introduction to Earthquake Engineering	(3-0)3
CLE423	Advanced Mechanics of Materials	(3-0)3	CLE488	Introduction to Structural Dynamics	(3-0)3
CLE425	Introduction to Finite Elements	(3-0)3	CLE489	Computer Applications in Civil Eng.	(3-0)3
CLE426	Water Supply & Wastewater Engineering Design	(3-0)3	CLE491	Construction Plant Management	(3-0)3
CLE433	Bidding and Estimating	(3-0)3	CLE492	Advanced Structural Analysis	(3-0)3
CLE434	Life Cycle Costing for Construction	(3-0)3	CLE494	Professional Project Management	(3-0)3

*The course MAT100 (Pre-calculus) is prerequisite of MAT 101. Those who passes MAT100 exemption exam can take MAT101, otherwise students must register to MAT100.