

المقررات الدراسية لقسم الهندسة المدنية وحسب مسار بولونيا

Syllabus of Civil Engineering Dept.								
First semester / First Year								
SSWL Hours per weeks					USSWL	ECTS Units	Subject	Code
Tut.	Prac.	Lab.	Th.					
				online				
2	---	---	6		77	8	Mathematics (1)	QCE2801
---	---	4	---		87	6	Engineering Drawing	QCE2602
---	---	2	2		87	6	Construction Materials	QCE2603
---	---	3	---		52	4	Computer Principles and Programming	QCE1404
1	---	2	1		37	4	General Physics	QCE2405
---	---	---	2		17	2	Arabic Language	QCE1206
3		11	11		357 h.	30	المجموع	
25*15+3*6=393 h.								
Second Semester / First Year								
SSWL(Hours per weeks)					USSWL	ECTS	Subject	Code
Tut.	Prac.	Lab.	Th.	online				
2	---	---	6		102	9	Engineering Mechanics	QCE2907
---	---	4	1		72	6	Engineering Drawing (Auto Cad)	QCE2608
---	---	1	4		72	6	Buildings Construction	QCE2609
1	---	---	2		52	4	Statistics Engineering	QCE2410
----	---	---	2		42	3	Engineering Geology	QCE2311

---	---	---	2		17	2	English Language (1)	QCE1212
3	0	5	17		357 h.	30	المجموع	
25*15+3*6=393 h.								

### First Semester / Second Year

عدد الساعات الدراسية Hours per weeks					Units	ECTS	Subject	Code
Tut.	Prac.	Lab.	Th.	online				
1	---	---	6		67	7	Mathematics (2)	QCE2713
1	---	---	3		87	6	Strength of Materials I	QCE3614
---	2	---	2		62	5	Survey I Engineering I	QCE3515
---	---	2	2		62	5	Fluid Mechanics I	QCE3516
---	---	2	2		62	5	Concrete Technology I	QCE2517
---	---	---	2		17	2	Human Rights and Democratic	QCE1218
2	2	4	17		357 h.	30	المجموع	
25								

### Second Semester / Second Year

SSWL Hours per weeks					USSWL	ECTS Units	Subject	Code
Tut.	Prac.	Lab.	Th.	Online				
1	---		3		112	7	Strength of Materials II	QCE3719
----	3		2		72	6	Survey Engineering II	QCE3620
1	--	2	2		72	6	Fluid Mechanics II	QCE3621
---	---	2	2		87	6	Concrete Technology II	QCE2622
----	---	3	---		27	3	Computer Programming	QCE3323
----	---	---	2		17	2	English Language 2	QCE1224

2	3	7	11		387 h.	30	المجموع
23							

First Semester / Third Year								
Hours per weeks					USSWL	ECTS Units	Subject	Code
Tut .	Prac.	Lab.	Th.	On line				
1	---	---	3		87	6	Theory of Structures I	QCE3625
1	---	---	3		87	6	Reinforced Concrete Design I	QCE3626
1	---	2	2		47	5	Soil Mechanics I	QCE3527
---	---	---	5		47	5	Engineering Economic and Project Management	QCE3528
1	---	---	3		62	5	Engineering Analysis	QCE2529
---	1	---	2		27	3	Traffic Engineering	QCE3330
4	1	2	18		358 h.	30	المجموع	
25								

Second Semester / Third Year								
SSWL Hours per weeks					USSWL	ECTS Units	Subject	Code
Tut .	Prac.	Lab.	Th.	On line				
1	--	--	3		87	6	Theory of Structures II	QCE3631
1	---	--	3		87	6	Reinforced Concrete Design II	QCE3632
1	---	2	2		47	5	Soil Mechanics II	QCE3533
1			2		52	4	Roads Engineering	QCE3434
---	--	2	2		62	5	Numerical Analysis	QCE2535

---	1	2	2		22	4	Irrigation & Drainage Engineering	QCE3436
4	1	6	14		357 h.	30	المجموع	

<b>First Semester / Fourth Year</b>								
SSWL Hours per weeks					USSW L	ECTS Units	Subject	Code
Tut.	Prac.	La b.	Th.	On line				
1	1	2	2		82	7	Sanitary Engineering	QCE3737
--	1	--	4		72	6	Estimation and Specifications	QCE3638
1	1	--	3		47	5	Steel Structure I	QCE3539
1	---	--	2		77	5	Reinforced Concrete Design I	QCE3540
1	--	--	2		52	4	Engineering Foundation Design	QCE3441
1	---	--	2		27	3	Engineering Hydrology	QCE3342
5	3	2	15		357	30	المجموع	
25								
<b>Second Semester / Fourth Year</b>								
SSWL Hours per weeks					USSW L	ECTS Units	Subject	Code
Tut.	Prac.	Lab.	Th.	On line				
---	2	6	---		52	7	Engineering Project	QCE2743
1	1	--	2		62	5	Design of Hydraulic Structures	QCE3544
1	1	--	3		47	5	Steel Structure II	QCE3545

1	--	--	2		77	5	<b>Reinforced Concrete Design II</b>	<b>QCE3546</b>
1	--	--	2		77	5	<b>Piles and Stability of Earth Structures</b>	<b>QCE3547</b>
--	---	--	2		42	3	<b>Engineering Profession Ethics</b>	<b>QCE2348</b>
4	4	6	11		357 h.	30	المجموع	
25								