

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

BSc Civil Engineering

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
Semester 1								
1.	Comp.	Physics I	PHY111	4	50 min	13	52	5
2.	Comp.	Engineering Drawing	CE100	3	50 min	13	39	5
3.	Comp.	Calculus and Analytic Geometry I	AMAT111	3	50 min	13	39	5
4.	Comp.	Land Surveying	CE105	4	50 min	13	52	5
5.	Comp.	Computer Programming for Engineers	ACSC104	4	50 min	13	52	5
6.	Elective	Free Elective		3	50 min	13	39	5
Semester 2								
7.	Comp.	Linear Algebra	AMAT181	3	50 min	13	39	5
8.	Comp.	Calculus and Analytic Geometry II	AMAT122	3	50 min	13	39	5
9.	Comp.	Ethics and Legal Aspects in Engineering	CE120	2	50 min	13	39	5
10.	Comp.	Mechanics of Structures	CE110	4	50 min	13	52	5
11.	Comp.	Physics II	PHY112	5	50 min	13	65	5

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
12.	Elective	Free Elective	N/A	3	50 min	13	39	5
Semester 3								
13.	Comp.	Differential Equations	AMAT204	3	50 min	13	39	5
14.	Comp.	Strength of Materials	CE200	4	50 min	13	42	5
15.	Comp.	Construction Materials	CE205	5	50 min	13	65	5
16.	Comp.	Geology and Soil Mechanics	CE210	4	50 min	13	52	5
17.	Comp.	Probability and Statistics	AMAT300	3	50 min	13	39	5
18.	Comp.	Technical Writing and Communication	AENG201	3	50 min	13	39	5
Semester 4								
19.	Comp.	Geotechnical Engineering	CE215	4	50 min	13	52	5
20.	Comp.	Hydrodynamics and Hydraulics	CE230	4	50 min	13	52	5
21.	Comp.	Sustainable Construction Technology	CE235	3	50 min	13	39	5
22.	Comp.	Indeterminate Structures	CE240	3	50 min	13	39	5
23.	Comp.	Building Technology and Pathology	CE220	4	50 min	13	52	5
24.	Comp.	Numerical Methods	AMAT314	3	50 min	13	39	5

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
Semester 5								
25.	Comp.	Matrix Methods for Structural Analysis	CE300	3	50 min	13	39	6
26.	Comp.	Geotechnical Design	CE315	3	50 min	13	39	6
27.	Comp.	Hydrology and Water Resources Engineering	CE325	3	50 min	13	39	6
28.	Comp.	Fundamentals of Environmental Engineering	CE330	3	50 min	13	39	6
29.	Elective	Technical Elective		3	50 min	13	39	6
Semester 6								
30.	Comp.	Computer Modeling and Simulation	CE305	3	50 min	13	39	6
31.	Comp.	Reinforced Concrete Structures I	CE310	3	50 min	13	39	6
32.	Comp.	Transportation Engineering	CE320	3	50 min	13	39	6
33.	Comp.	Construction Management and Economics	CE345	5	50 min	13	65	6
34.	Elective	Technical Elective		3	50 min	13	39	6
Semester 7								
35.	Comp.	Structural Dynamics	CE400	3	50 min	13	39	6

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
36.	Comp.	Reinforced Concrete Structures II	CE405	3	50 min	13	39	6
37.	Comp.	Steel Structures	CE410	3	50 min	13	39	6
38.	Comp.	Senior Project Proposal	CE490	1	50 min	13	13	6
39.	Elective	Technical Elective		3	50 min	13	39	6
Semester 8								
40.	Comp.	Earthquake Engineering Design	CE415	3	50 min	13	39	6
41.	Comp.	Analysis and Design of Structural Systems	CE420	3	50 min	13	39	6
42.	Comp.	Highway Engineering	CE425	3	50 min	13	39	6
43.	Comp.	Senior Project	CE495	1	50 min	13	13	6
44.	Elective	Technical Elective		3	50 min	13	39	6

Elective Courses			
	Code	Course Title	ECTS
1.	CE430	Prestressed Concrete	6
2.	CE435	Bridge Engineering	6
3.	CE440	Strengthening and Repairing of Structures	6
4.	CE445	Introduction to Fracture Mechanics	6
5.	CE450	Concrete Technology	6
6.	CE455	Environmental Pollution Control	6
7.	CE456	Water & Wastewater Engineering	6
8.	CE457	Environmental Impact Assessment	6
9.	CE340	Energy Assessment of the Built Environment	6
10.	CE460	Systems Analysis	6
11.	CE470	Marine Geotechnical Engineering	6
12.	CE472	Design Of Deep Foundations	6
13.	CE480	Special Topics In Civil Engineering I	6
14.	CE485	Special Topics In Civil Engineering II	6
15.	CE499	Industrial Placement	6

BSc Civil Engineering, Specialization: Quantity Surveying

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Semester 1								
1.	Comp.	Physics I	PHY111	4	50 min	13	52	5
2.	Comp.	Engineering Drawing	CE100	3	50 min	13	39	5
3.	Comp.	Calculus and Analytic Geometry I	AMAT111	3	50 min	13	39	5
4.	Comp.	Land Surveying	CE105	4	50 min	13	52	5
5.	Comp.	Measurement and Costing of Construction Works	QS150	3	50 min	13	39	5
6.	Elective	Free Elective	N/A	3	50 min	13	39	5
Semester 2								
7.	Comp.	Linear Algebra	AMAT181	3	50 min	13	39	5
8.	Comp.	Calculus and Analytic Geometry II	AMAT122	3	50 min	13	39	5
9.	Comp.	Ethics and Legal Aspects in Engineering	CE120	2	50 min	13	39	5
10.	Comp.	Mechanics of Structures	CE110	4	50 min	13	52	5
11.	Comp.	Measurement and Costing of Engineering Services	QS160	3	50 min	13	39	5
12.	Elective	Free Elective	N/A	3	50 min	13	39	5

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
Semester 3								
13.	Comp.	Differential Equations	AMAT204	3	50 min	13	39	5
14.	Comp.	Strength of Materials	CE200	4	50 min	13	42	5
15.	Comp.	Construction Materials	CE205	5	50 min	13	65	5
16.	Comp.	Geology and Soil Mechanics	CE210	4	50 min	13	52	5
17.	Comp.	Probability and Statistics	AMAT300	3	50 min	13	39	5
18.	Comp.	Principles of Law for Construction	QS225	3	50 min	13	39	5
Semester 4								
19.	Comp.	Geotechnical Engineering	CE215	4	50 min	13	52	5
20.	Comp.	Hydrodynamics and Hydraulics	CE230	4	50 min	13	52	5
21.	Comp.	Sustainable Construction Technology	CE235	3	50 min	13	39	5
22.	Comp.	Indeterminate Structures	CE240	3	50 min	13	39	5
23.	Comp.	Construction Contracts	QS270	3	50 min	13	39	5
24.	Comp.	Introductory Microeconomics	QS280	3	50 min	13	39	5
Semester 5								
25.	Comp.	Matrix Methods for Structural Analysis	CE300	3	50 min	13	39	6

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26.	Comp.	Geotechnical Design	CE315	3	50 min	13	39	6
27.	Comp.	Hydrology and Water Resources Engineering	CE325	3	50 min	13	39	6
28.	Comp.	Fundamentals of Environmental Engineering	CE330	3	50 min	13	39	6
29.	Comp.	Measurement Project	QS335	3	50 min	13	39	6
Semester 6								
30.	Comp.	Computer Modeling and Simulation	CE305	3	50 min	13	39	6
31.	Comp.	Reinforced Concrete Structures I	CE310	3	50 min	13	39	6
32.	Comp.	Transportation Engineering	CE320	3	50 min	13	39	6
33.	Comp.	Construction Procurement and Tendering	QS350	3	50 min	13	39	6
34.	Comp.	Construction Contracts Financial Administration	QS355	3	50 min	13	39	6
Semester 7								
35.	Comp.	Structural Dynamics	CE400	3	50 min	13	39	6
36.	Comp.	Cost Management and Project Cost Control	QS412	3	50 min	13	39	6
37.	Comp.	Steel Structures	CE410	3	50 min	13	39	6
38.	Comp.	Senior Project Proposal	QS490	1	50 min	13	13	6

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
39.	Comp.	Dispute Resolution	QS414	3	50 min	13	39	6
Semester 8								
40.	Comp.	Earthquake Engineering Design	CE415	3	50 min	13	39	6
41.	Comp.	Mediation and Arbitration	QS422	3	50 min	13	39	6
42.	Comp.	Facilities Management	QS424	3	50 min	13	39	6
43.	Comp.	Senior Project	QS495	1	50 min	13	13	6
44.	Comp.	Building Information Modelling (BIM)	QS432	3	50 min	13	39	6

