SCHEME OF STUDIES
CIVIL ENGINEERING (SPECIALISATION IN URBAN ENGINEERING)

FIRST YEAR

Batch 2016-17 — FIRST YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
SPRING	UE-113	Engineering Surveying-I	2	2	4
	EE-123	Basic Electrical Engineering	2	0	2
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-114	Calculus	3	0	3
	CY-110	Applied Chemistry for Engineers	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	*HS-107	Pakistan Studies (for Foreigners)			
FALL	UE-117	Engineering Drawing & Drafting-I	1	2	3
	UE-102	Statics and Dynamics	3	1	4
	UE-104	Engineering Materials	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (for Non-muslims)			
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	*HS-111	Functional English	2	0	2

* Changed vide Resolution No.SYN-180.5(a)(v)

Batch 2017 — FIRST YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 17-18	*UE-118	Engineering Surveying-I	3	1	4
	EE-123	Basic Electrical Engineering	2	0	2
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-114	Calculus	3	0	3
	CY-110	Applied Chemistry for Engineers	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
SPRING 2018	UE-117	Engineering Drawing & Drafting-I	1	2	3
	UE-102	Statics and Dynamics	3	1	4
	UE-104	Engineering Materials	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (for Non-muslims)			
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	HS-111	Functional English	2	0	2
	HS-220	Chinese Language-I	NC		

* Changed vide Resolution No.SYN-182.5(a)(iii)

Batch 2018 — FIRST YEAR ---------- SEMESTER SYSTEM

* Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2018	UE-118	Engineering Surveying-I	3	1	4
	EE-123	Basic Electrical Engineering	2	0	2
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-114	Calculus	3	0	3
	CY-110	Applied Chemistry for Engineers	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
SPRING 2019	UE-117	Engineering Drawing & Drafting-I	1	2	3
	UE-102	Statics and Dynamics	3	1	4
	UE-104	Engineering Materials	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (for Non-muslims)			
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	HS-111	Functional English	2	0	2
	HS-220	Chinese Language-I	NC		

* Changed vide Resolution No.SYN-196.4(a)(i)

Batch 2019 — FIRST YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2019	UE-118	Engineering Surveying-I	3	1	4
	EE-123	Basic Electrical Engineering	2	0	2
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-114	Calculus	3	0	3
	CY-110	Applied Chemistry for Engineers	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
SPRING 2020	UE-117	Engineering Drawing & Drafting-I	1	2	3
	UE-102	Statics and Dynamics	3	1	4
	UE-104	Engineering Materials	3	1	4
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (for Non-muslims)			
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	HS-111	Functional English	2	0	2
	HS-220	Chinese Language-I	NC		

Batch 2020 — FIRST YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2020	*UE-151	Engineering Drawing-I	1	2	3
	EE-123	Basic Electrical Engineering	2	0	2
	*UE-102	Statics and Dynamics	3	1	4
	MT-114	Calculus	3	0	3
	*UE-152	Engineering Materials	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
SPRING 2021	*UE-153	Engineering Surveying-I	2	1	3
	*UE-154	Chemistry for Civil Engineers	1	1	2
	*UE-155	Introduction to Computing for Civil Engineering	1	2	3
	HS-220	Chinese Language-I	NC		
	*ME-110	Basic Mechanical Engineering	2	0	2
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	HS-111	Functional English	2	0	2
	HS-200	Community Service	NC		

* Changed vide its Resolution No. SYN-196.4(a)(ii)

Batch 2021 — FIRST YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2021	UE-151	Engineering Drawing-I	1	2	3
	EE-123	Basic Electrical Engineering	2	0	2
	UE-102	Statics and Dynamics	3	1	4
	MT-114	Calculus	3	0	3
	UE-152	Engineering Materials	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
SPRING 2022	UE-153	Engineering Surveying-I	2	1	3
	UE-154	Chemistry for Civil Engineers	1	1	2
	UE-155	Introduction to Computing for Civil Engineering	1	2	3
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	HS-111	Functional English	2	0	2

Batch 2022 — FIRST YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2022	UE-151	Engineering Drawing-I	1	2	3
	EE-123	Basic Electrical Engineering	2	0	2
	UE-102	Statics and Dynamics	3	1	4
	MT-114	Calculus	3	0	3
	UE-152	Engineering Materials	2	1	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
SPRING 2023	UE-153	Engineering Surveying-I	2	1	3
	UE-154	Chemistry for Civil Engineers	1	1	2
	UE-155	Introduction to Computing for Civil Engineering	1	2	3
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	HS-111	Functional English	2	0	2

Batch 2023 — FIRST YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2023	UE-151	Engineering Drawing-I	1	2	3
	EE-123	Basic Electrical Engineering	2	0	2
	UE-102	Statics and Dynamics	3	1	4
	MT-114	Calculus	3	0	3
	UE-152	Engineering Materials	2	1	3
	*ES-106	Pakistan Studies OR	1	0	1
	*ES-107	Pakistan Studies (for Foreigners)			
SPRING 2024	UE-153	Engineering Surveying-I	2	1	3
	UE-154	Chemistry for Civil Engineers	1	1	2
	UE-155	Introduction to Computing for Civil Engineering	1	2	3
	ME-110	Basic Mechanical Engineering	2	0	2
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	**EA-111	Functional English	2	0	2

* Under Section 28(iv) Offiec Order Acad/42(156)16911

** Under Section 28(iv) Offiec Order Acad/42(156)16909

SECOND YEAR

Batch 2016-17 — SECOND YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 17-18	UE-205	Engineering Drawing and Drafting-II	2	2	4
	UE-212	Mechanics of Solids	3	1	4
	UE-202	Engineering Surveying-II	2	1	3
	HS-304	Business Communication & Ethics	3	0	3
	AR-204	Urban Sociology	2	0	2
	*UE-114	Computing Tools and Applications	1	2	3
SPRING 2018	UE-213	Planning and Design of Transportation Systems	3	1	4
	UE-214	Fluid Mechanics	3	1	4
	*MT-229	Probability & Statistics	2	0	2
	UE-208	Law and Regulatory Control Studies	2	0	2
	UE-209	Analysis of Structures	3	0	3
	*UE-206	Geology for Engineers	2	1	3

* Changed vide Resolution No.SYN-180.5(a)(v)

Batch 2017 — SECOND YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 2018	UE-205	Engineering Drawing and Drafting-II	2	2	4
	UE-212	Mechanics of Solids	3	1	4
	*UE-215	Engineering Surveying-II	2	1	3
	HS-304	Business Communication & Ethics	3	0	3
	AR-204	Urban Sociology	2	0	2
	UE-114	Computing Tools and Applications	1	2	3
	HS-221	Chinese Language-II	NC		
SPRING 2019	UE-213	Planning and Design of Transportation Systems	3	1	4
	UE-214	Fluid Mechanics	3	1	4
	MT-229	Probability & Statistics	2	0	2
	*UE-218	Law and Regulatory Control Studies	2	0	2
	UE-209	Analysis of Structures	3	0	3
	*UE-216	Geology for Engineers	2	1	3

* Changed vide Resolution No.SYN-182.5(a)(iii)

Batch 2018 — SECOND YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2019	UE-205	Engineering Drawing and Drafting-II	2	2	4
	UE-212	Mechanics of Solids	3	1	4
	UE-215	Engineering Surveying-II	2	1	3
	HS-304	Business Communication & Ethics	3	0	3
	AR-204	Urban Sociology	2	0	2
	UE-114	Computing Tools and Applications	1	2	3
	HS-221	Chinese Language-II	NC		
SPRING 2020	UE-213	Planning and Design of Transportation Systems	3	1	4
	UE-214	Fluid Mechanics	3	1	4
	MT-229	Probability & Statistics	2	0	2
	UE-218	Law and Regulatory Control Studies	2	0	2
	UE-209	Analysis of Structures	3	0	3
	UE-216	Geology for Engineers	2	1	3

Batch 2019 — SECOND YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2020	*UE-201	Engineering Surveying-II	3	1	4
	*UE-251	Mechanics of Solids-I	3	1	4
	*UE-252	Geology for Engineers	2	1	3
	*HS-218	Business Communication	2	1	3
	*UE-155	Introduction to Computing for Civil Engineering	1	2	3
	HS-221	Chinese Language-II	NC		
SPRING 2021	*UE-253	Engineering Drawing-II	1	2	3
	*UE-254	Fluid Mechanics-I	3	1	4
	*UE-255	Structural Analysis-I	3	0	3
	*HS-219	Professional Ethics	2	0	2
	*MT-331	Probability & Statistics	3	0	3
	*CF-303	Applied Economics for Engineers	3	0	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

Batch 2020 — SECOND YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2021	*UE-201	Engineering Surveying-II	3	1	4
	*UE-251	Mechanics of Solids-I	3	1	4
	*UE-252	Geology for Engineers	2	1	3
	*HS-218	Business Communication	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (for Non-muslims)			
	HS-221	Chinese Language-II	NC		
SPRING 2022	*UE-253	Engineering Drawing-II	1	2	3
	*UE-254	Fluid Mechanics-I	3	1	4
	*UE-255	Structural Analysis-I	3	0	3
	*HS-219	Professional Ethics	2	0	2
	*MT-331	Probability & Statistics	3	0	3
	*CF-303	Applied Economics for Engineers	3	0	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

Batch 2021 — SECOND YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2022	UE-201	Engineering Surveying-II	3	1	4
	UE-251	Mechanics of Solids-I	3	1	4
	UE-252	Geology for Engineers	2	1	3
	HS-218	Business Communication	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (for Non-muslims)			
SPRING 2023	UE-253	Engineering Drawing-II	1	2	3
	UE-254	Fluid Mechanics-I	3	1	4
	UE-255	Structural Analysis-I	3	0	3
	HS-219	Professional Ethics	2	0	2
	MT-331	Probability & Statistics	3	0	3
	CF-303	Applied Economics for Engineers	3	0	3
	HS-200	Community Service	NC		

Batch 2022 — SECOND YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2023	UE-201	Engineering Surveying-II	3	1	4
	UE-251	Mechanics of Solids-I	3	1	4
	UE-252	Geology for Engineers	2	1	3
	**EA-218	Business Communication	2	1	3
	*ES-205	Islamic Studies OR	2	0	2
	*ES-209	Ethical Behaviour (for Non-muslims)			
SPRING 2024	UE-253	Engineering Drawing-II	1	2	3
	UE-254	Fluid Mechanics-I	3	1	4
	UE-255	Structural Analysis-I	3	0	3
	**EA-219	Professional Ethics	2	0	2
	MT-331	Probability & Statistics	3	0	3
	CF-303	Applied Economics for Engineers	3	0	3
	**EA-200	Community Service	NC		

* Under Section 28(iv) Offiec Order Acad/42(156)16911

** Under Section 28(iv) Offiec Order Acad/42(156)16909

Batch 2023 — SECOND YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2024	UE-201	Engineering Surveying-II	3	1	4
	UE-251	Mechanics of Solids-I	3	1	4
	UE-252	Geology for Engineers	2	1	3
	EA-218	Business Communication	2	1	3
	ES-205	Islamic Studies OR	2	0	2
	ES-209	Ethical Behaviour (for Non-muslims)			
SPRING 2025	UE-253	Engineering Drawing-II	1	2	3
	UE-254	Fluid Mechanics-I	3	1	4
	UE-255	Structural Analysis-I	3	0	3
	EA-219	Professional Ethics	2	0	2
	MT-331	Probability & Statistics	3	0	3
	CF-303	Applied Economics for Engineers	3	0	3
	EA-200	Community Service	NC		

THIRD YEAR

Batch 2016-17 — THIRD YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 2018	UE-301	Civil Works Quantity & Cost Estimations	1	2	3
	UE-316	Traffic Engineering and Management	3	1	4
	UE-303	Principles of Engineering Construction	2	1	3
	AR-308	Urban Infrastructure Planning & Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	UE-304	Reinforced Concrete Design	3	1	4
SPRING 2019	UE-305	Soil Mechanics-I	3	1	4
	UE-306	Structural Analysis and Design	3	0	3
	UE-320	Urban Hydrology and Municipal Engineering	2	1	3
	CF-313	Applied Economics for Engineers	2	0	2
	EN-301	Environmental Engineering-I	2	1	3
	*UE-207	Geo-Informatics	1	1	2

* Changed vide Resolution No.SYN-180.5(a)(v)

Batch 2017 — THIRD YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 2019	*UE-321	Civil Works Quantity & Cost Estimations	1	2	3
	UE-316	Traffic Engineering and Management	3	1	4
	*UE-322	Principles of Engineering Construction	3	0	3
	AR-308	Urban Infrastructure Planning & Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	UE-304	Reinforced Concrete Design	3	1	4
SPRING 2020	UE-305	Soil Mechanics-I	3	1	4
	UE-306	Structural Analysis and Design	3	0	3
	*UE-323	Urban Hydrology and Municipal Engineering	2	1	3
	CF-313	Applied Economics for Engineers	2	0	2
	EN-301	Environmental Engineering-I	2	1	3
	*UE-217	Introduction to Geo-Informatics	1	1	2

* Changed vide Resolution No.SYN-182.5(a)(iii)

Batch 2018 — THIRD YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2020	*UE-351	Reinforced Concrete Design-I	3	0	3
	*UE-352	Construction Engineering	3	0	3
	*UE-353	Quantity & Cost Estimations	3	0	3
	UE-316	Traffic Engineering and Management	3	1	4
	AR-308	Urban Infrastructure Planning & Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
SPRING 2021	UE-323	Urban Hydrology and Municipal Engineering	2	1	3
	UE-305	Soil Mechanics-I	3	1	4
	**UE-453	Reinforced Concrete Design-II	3	0	3
	*CF-303	Applied Economics for Engineers	3	0	3
	*UE-355	Essential in Construction Project Management	3	0	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-151.5(ii)

Batch 2019 — THIRD YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2021	*UE-351	Reinforced Concrete Design-I	3	0	3
	*UE-352	Construction Engineering	3	0	3
	*UE-353	Quantity & Cost Estimations	3	0	3
	**UE-455	Municipal Engineering and Urban Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	**UE-361	Planning & Design of Transportation System	3	1	4
SPRING 2022	*AR-309	Architecture and Town Planning	3	0	3
	UE-305	Soil Mechanics-I	3	1	4
	*UE-356	Traffic Engineering and Management	3	0	3
	*UE-218	Law and Regulatory Control Studies	2	0	2
	*UE-355	Essential in Construction Project Management	3	0	3
	*UE-453	Reinforced Concrete Design-II	3	0	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-153.4(i)

Batch 2020 — THIRD YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2022	*UE-351	Reinforced Concrete Design-I	3	0	3
	*UE-352	Construction Engineering	3	0	3
	*UE-353	Quantity & Cost Estimations	3	0	3
	**UE-455	Municipal Engineering and Urban Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	**UE-361	Planning & Design of Transportation System	3	1	4
SPRING 2023	*AR-309	Architecture and Town Planning	3	0	3
	UE-305	Soil Mechanics-I	3	1	4
	*UE-356	Traffic Engineering and Management	3	0	3
	*UE-218	Law and Regulatory Control Studies	2	0	2
	*UE-355	Essential in Construction Project Management	3	0	3
	*UE-453	Reinforced Concrete Design-II	3	0	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-153.4(i)

Batch 2021 — THIRD YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2023	UE-351	Reinforced Concrete Design-I	3	0	3
	UE-352	Construction Engineering	3	0	3
	UE-353	Quantity & Cost Estimations	3	0	3
	UE-455	Municipal Engineering and Urban Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	UE-361	Planning & Design of Transportation System	3	1	4
SPRING 2024	AR-309	Architecture and Town Planning	3	0	3
	UE-305	Soil Mechanics-I	3	1	4
	UE-356	Traffic Engineering and Management	3	0	3
	UE-218	Law and Regulatory Control Studies	2	0	2
	UE-355	Essential in Construction Project Management	3	0	3
	UE-453	Reinforced Concrete Design-II	3	0	3
	*EA/ES	Foreign Language-I			

* Under Section 28(iv) Offiec Order Acad/42(156)16909

Batch 2022 — THIRD YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2024	UE-351	Reinforced Concrete Design-I	3	0	3
	UE-352	Construction Engineering	3	0	3
	UE-353	Quantity & Cost Estimations	3	0	3
	UE-455	Municipal Engineering and Urban Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	UE-361	Planning & Design of Transportation System	3	1	4
SPRING 2025	AR-309	Architecture and Town Planning	3	0	3
	UE-305	Soil Mechanics-I	3	1	4
	UE-356	Traffic Engineering and Management	3	0	3
	UE-218	Law and Regulatory Control Studies	2	0	2
	UE-355	Essential in Construction Project Management	3	0	3
	UE-453	Reinforced Concrete Design-II	3	0	3
	EA/ES	Foreign Language-I			

Batch 2023 — THIRD YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2025	UE-351	Reinforced Concrete Design-I	3	0	3
	UE-352	Construction Engineering	3	0	3
	UE-353	Quantity & Cost Estimations	3	0	3
	UE-455	Municipal Engineering and Urban Management	2	0	2
	MT-443	Numerical Analysis	3	0	3
	UE-361	Planning & Design of Transportation System	3	1	4
SPRING 2026	AR-309	Architecture and Town Planning	3	0	3
	UE-305	Soil Mechanics-I	3	1	4
	UE-356	Traffic Engineering and Management	3	0	3
	UE-218	Law and Regulatory Control Studies	2	0	2
	UE-355	Essential in Construction Project Management	3	0	3
	UE-453	Reinforced Concrete Design-II	3	0	3
	EA/ES	Foreign Language-I			

FINAL YEAR

Batch 2016-17 — FINAL YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 2019	UE-403	Soil Mechanics-II	3	1	4
	**UE-405	Construction Planning and Management	3	0	3
	UE-418	Hyderolic Engineering and Water Resources Mana	2	1	3
	UE-407	Advance Technologies and Disaster Management	2	0	2
	EN-401	Environmental Engineering-II	2	1	3
	**UE-415	*Urban Engineering Project	0	3	3
SPRING 2020	**UE-413	Mechanics & Design of Steel Structures	3	0	3
	UE-402	Urban Mass Transportation	2	0	2
	CF-410	Financial Resource Management	2	0	2
	EN-402	Environmental Impact Assessment	2	0	2
	##-###	Inter-Diciplinary Elective	2	1	3
	**UE-415	Urban Engineering Project	0	3	3

Inter-Diciplinary Elective

Course Code	Course Title	Th	Pr	T
UE-421	Modern Aspects of Construction Project Managem	2	1	3
UE-422	Traffic Impact Studies	2	1	3
UE-423	Highway and Airfield Pavement Design	2	1	3
UE-424	Building Information Modeling	2	1	3
UE-425	Applications in City and Regional Planning	2	1	3
*UE-426	Geosynthetics and their applications	3	0	3
**UE-427	Procurement Management	3	0	3
**CE-419	Applied Hydraulics	3	0	3
**CE-423	Masonry Structures	3	0	3

* Changed vide Resolution No.SYN-180.5(a)(v)

** Changed vide Resolution No.SYN-186.4(b)(xxiii)

Batch 2017 — FINAL YEAR ---------- SEMESTER SYSTEM

Urban Engineering

Semester	Course Code	Course Title	Th	Pr	T
FALL 2020	UE-403	Soil Mechanics-II	3	1	4
	UE-405	Construction Planning and Management	3	0	3
	UE-418	Hyderolic Engineering and Water Resources Mana	2	1	3
	UE-407	Advance Technologies and Disaster Management	2	0	2
	EN-401	Environmental Engineering-II	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
SPRING 2021	UE-413	Mechanics & Design of Steel Structures	3	0	3
	UE-402	Urban Mass Transportation	2	0	2
	CF-410	Financial Resource Management	2	0	2
	EN-402	Environmental Impact Assessment	2	0	2
	##-###	Inter-Diciplinary Elective	2	1	3
	UE-415	Urban Engineering Project	0	3	3

Inter-Diciplinary Elective

Course Code	Course Title	Th	Pr	T
UE-421	Modern Aspects of Construction Project Managem	2	1	3
UE-422	Traffic Impact Studies	2	1	3
UE-423	Highway and Airfield Pavement Design	2	1	3
UE-424	Building Information Modeling	2	1	3
UE-425	Applications in City and Regional Planning	2	1	3
UE-426	Geosynthetics and their applications	3	0	3

**## Special Notice for Batch 2017 Degree requirement

Batch 2018 — FINAL YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2021	UE-403	Soil Mechanics-II	3	1	4
	*UE-452	Urban Mass Transportation	2	0	3
	*UE-451	Hydraulic Engineering and Water Resources Engineering-I	3	1	4
	**UE-359	Structural Analysis-II	2	0	2
	*EN-301	Environmental Engineering-I	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
SPRING 2022	**UE-360	Mechanics of Solids-II	2	0	2
	*UE-435	Financial Resource Management	2	0	2
	*UE-454	Design of Steel Structures	3	0	3
	*EN-401	Environmental Engineering-II	2	1	3
	**UE-460	Geoinformatics	1	1	2
	UE-415	Urban Engineering Project	0	3	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-153.4(i)

Batch 2019 — FINAL YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2022	UE-403	Soil Mechanics-II	3	1	4
	*UE-452	Urban Mass Transportation	2	0	2
	*UE-451	Hydraulic Engineering and Water Resources Engineering-I	3	1	4
	**UE-359	Structural Analysis-II	2	0	2
	*EN-301	Environmental Engineering-I	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
SPRING 2023	**UE-360	Mechanics of Solids-II	2	0	2
	*UE-435	Financial Resource Management	2	0	2
	**UE-460	Geoinformatics	1	1	2
	*UE-454	Design of Steel Structures	3	0	3
	*EN-401	Environmental Engineering-II	2	1	3
	UE-415	Urban Engineering Project	0	3	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-153.4(i)

Batch 2020 — FINAL YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2023	UE-403	Soil Mechanics-II	3	1	4
	*UE-452	Urban Mass Transportation	2	0	2
	*UE-451	Hydraulic Engineering and Water Resources Engineering-I	3	1	4
	**UE-359	Structural Analysis-II	2	0	2
	*EN-301	Environmental Engineering-I	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
SPRING 2024	##-###	Engineering Elective			
	*UE-435	Financial Resource Management	2	0	2
	**UE-460	Geoinformatics	1	1	2
	*UE-454	Design of Steel Structures	3	0	3
	*EN-401	Environmental Engineering-II	2	1	3
	**UE-360	Mechanics of Solids-II	2	0	2
	UE-415	Urban Engineering Project	0	3	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-153.4(i)

Inter-Diciplinary Elective

Course Code	Course Title	Th	Pr	T
CE-419	Applied Hydraulics	3	0	3
CE-423	Masonry Structures	3	0	3
*CE-426	Building Information Modeling	1	2	3
*CE-429	Geosynthetics and their applications	3	0	3
*CE-438	Hydraulics and Water Resource Engineering-II	3	0	3
*CN-424	Environmental Issues in Construction	3	0	3
*CN-430	Disaster and Reconstruction Management	3	0	3
UE-422	Traffic Impact Studies	2	1	3
UE-423	Highway and Airfield Pavement Design	2	1	3
**EN-403	Environmental Impact Assessment	2	0	2
**UE-421	Modern Aspects of Construction Project Management	2	1	3
**UE-436	Urban Sociology	3	0	3

* Changed vide its Resolution No. SYN-196.4(a)(ii)

** Changed vide its Resolution No. AC-153.4(i)

Batch 2021 — FINAL YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2024	UE-403	Soil Mechanics-II	3	1	4
	UE-452	Urban Mass Transportation	2	0	2
	UE-451	Hydraulic Engineering and Water Resources Engineering-I	3	1	4
	UE-359	Structural Analysis-II	2	0	2
	EN-301	Environmental Engineering-I	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
	*EA/ES	Foreign Language-II			
SPRING 2025	##-###	Engineering Elective			
	UE-435	Financial Resource Management	2	0	2
	UE-460	Geoinformatics	1	1	2
	UE-454	Design of Steel Structures	3	0	3
	EN-401	Environmental Engineering-II	2	1	3
	UE-360	Mechanics of Solids-II	2	0	2
	UE-415	Urban Engineering Project	0	3	3

* Under Section 28(iv) Offiec Order Acad/42(156)16909

Inter-Diciplinary Elective

Course Code	Course Title	Th	Pr	T
CE-419	Applied Hydraulics	3	0	3
CE-423	Masonry Structures	3	0	3
CE-426	Building Information Modeling	1	2	3
CE-429	Geosynthetics and their applications	3	0	3
CE-438	Hydraulics and Water Resource Engineering-II	3	0	3
CN-424	Environmental Issues in Construction	3	0	3
CN-430	Disaster and Reconstruction Management	3	0	3
UE-422	Traffic Impact Studies	2	1	3
UE-423	Highway and Airfield Pavement Design	2	1	3
EN-403	Environmental Impact Assessment	2	0	2
UE-421	Modern Aspects of Construction Project Management	2	1	3
UE-436	Urban Sociology	3	0	3

Foreign Language-I

Course Code	Course Title	Crd Hrs
*EA-220	Chinese Language-I	NC
*EA-231	Turkish Language-I	NC
*EA-224	German language-I	NC
*EA-226	French language-I	NC
*ES-222	Arabic Language-I	NC

Foreign Language-II

Course Code	Course Title	Crd Hrs
*EA-221	Chinese Language-II	NC
*EA-232	Turkish Language-II	NC
*EA-225	German language-II	NC
*EA-227	French language-II	NC
*ES-223	Arabic Language-II	NC

* Under Section 28(iv) Offiec Order Acad/42(156)16909

Batch 2022 — FINAL YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2025	UE-403	Soil Mechanics-II	3	1	4
	UE-452	Urban Mass Transportation	2	0	2
	UE-451	Hydraulic Engineering and Water Resources Engineering-I	3	1	4
	UE-359	Structural Analysis-II	2	0	2
	EN-301	Environmental Engineering-I	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
	EA/ES	Foreign Language-II			
SPRING 2026	##-###	Engineering Elective			
	UE-435	Financial Resource Management	2	0	2
	UE-460	Geoinformatics	1	1	2
	UE-454	Design of Steel Structures	3	0	3
	EN-401	Environmental Engineering-II	2	1	3
	UE-360	Mechanics of Solids-II	2	0	2
	UE-415	Urban Engineering Project	0	3	3

Inter-Diciplinary Elective

Course Code	Course Title	Th	Pr	T
CE-419	Applied Hydraulics	3	0	3
CE-423	Masonry Structures	3	0	3
CE-426	Building Information Modeling	1	2	3
CE-429	Geosynthetics and their applications	3	0	3
CE-438	Hydraulics and Water Resource Engineering-II	3	0	3
CN-424	Environmental Issues in Construction	3	0	3
CN-430	Disaster and Reconstruction Management	3	0	3
UE-422	Traffic Impact Studies	2	1	3
UE-423	Highway and Airfield Pavement Design	2	1	3
EN-403	Environmental Impact Assessment	2	0	2
UE-421	Modern Aspects of Construction Project Management	2	1	3
UE-436	Urban Sociology	3	0	3

Foreign Language-I

Course Code	Course Title	Crd Hrs
EA-220	Chinese Language-I	NC
EA-231	Turkish Language-I	NC
EA-224	German language-I	NC
EA-226	French language-I	NC
ES-222	Arabic Language-I	NC

Foreign Language-II

Course Code	Course Title	Crd Hrs
EA-221	Chinese Language-II	NC
EA-232	Turkish Language-II	NC
EA-225	German language-II	NC
EA-227	French language-II	NC
ES-223	Arabic Language-II	NC

Batch 2023 — FINAL YEAR ---------- SEMESTER SYSTEM

Civil Engineering (Specialization in Urban)

Semester	Course Code	Course Title	Th	Pr	T
FALL 2026	UE-403	Soil Mechanics-II	3	1	4
	UE-452	Urban Mass Transportation	2	0	2
	UE-451	Hydraulic Engineering and Water Resources Engineering-I	3	1	4
	UE-359	Structural Analysis-II	2	0	2
	EN-301	Environmental Engineering-I	2	1	3
	UE-415	*Urban Engineering Project	0	3	3
	EA/ES	Foreign Language-II			
SPRING 2027	##-###	Engineering Elective			
	UE-435	Financial Resource Management	2	0	2
	UE-460	Geoinformatics	1	1	2
	UE-454	Design of Steel Structures	3	0	3
	EN-401	Environmental Engineering-II	2	1	3
	UE-360	Mechanics of Solids-II	2	0	2
	UE-415	Urban Engineering Project	0	3	3

Inter-Diciplinary Elective

Course Code	Course Title	Th	Pr	T
CE-419	Applied Hydraulics	3	0	3
CE-423	Masonry Structures	3	0	3
CE-426	Building Information Modeling	1	2	3
CE-429	Geosynthetics and their applications	3	0	3
CE-438	Hydraulics and Water Resource Engineering-II	3	0	3
CN-424	Environmental Issues in Construction	3	0	3
CN-430	Disaster and Reconstruction Management	3	0	3
UE-422	Traffic Impact Studies	2	1	3
UE-423	Highway and Airfield Pavement Design	2	1	3
EN-403	Environmental Impact Assessment	2	0	2
UE-421	Modern Aspects of Construction Project Management	2	1	3
UE-436	Urban Sociology	3	0	3

Foreign Language-I

Course Code	Course Title	Crd Hrs
EA-220	Chinese Language-I	NC
EA-231	Turkish Language-I	NC
EA-224	German language-I	NC
EA-226	French language-I	NC
ES-222	Arabic Language-I	NC

Foreign Language-II

Course Code	Course Title	Crd Hrs
EA-221	Chinese Language-II	NC
EA-232	Turkish Language-II	NC
EA-225	German language-II	NC
EA-227	French language-II	NC
ES-223	Arabic Language-II	NC