

COURSES TO BE OFFERED IN JULY 2023 TERM

Level	Term	Course No.	Course Title	Credit Hours	Status of Course	Selection Basis/ Remarks
1	I	CE 100	Civil Engineering Drawing	1.50	C	
		CE 101	Analytic Mechanics	3.00	C	
		Chem 103	Chemistry I	3.00	C	
		Chem 114	Inorganic Quantitative Analysis	1.50	C	
		Hum 355	Sociology	2.00	O	(Sec B & C)
		Hum 375	Government	2.00	O	(Sec A)
		Math 137	Differential and Integral Calculus, Matrices	3.00	C	
		Phy 101	Physical Optics, Waves and Oscillation, Heat and Thermodynamics	3.00	C	
		Phy 102	Physics Laboratory	1.50	C	
			Total	18.50		

C: Compulsory O: Optional

Level	Term	Course No.	Course Title	Credit Hours	Status of Course	Selection Basis/ Remarks
2	I	CE 200	Details of Construction	1.50	C	
		CE 201	Engineering Materials	3.00	C	
		CE 202	Materials Sessional	1.50	C	
		CE 203	Engineering Geology and Geomorphology	3.00	C	
		CE 204	Computer Programming Sessional	1.50	C	
		CE 210	Architectural, Engineering and Planning Appreciation	1.50	C	
		CE 211 *	Mechanics of Solids I	3.00	C	
		Hum 353	Accounting	2.00	C	
		Math 237	Laplace Transform and Vector Analysis	3.00	C	
			Total	20.00		

C: Compulsory

*: Registration of this course requires obtaining minimum F grade in its pre-requisite course

Level	Term	Course No.	Course Title	Credit Hours	Status of Course	Selection Basis/ Remarks
3	I	CE 301	Professional Practices and Communication	3.00	C	
		CE 302	Professional Practices and Communication Sessional	1.50	C	
		CE 311 *	Structural Analysis	4.00	C	
		CE 315	Design of Concrete Structures I	3.00	C	
		CE 331	Environmental Engineering I	3.00	C	
		CE 332	Environmental Engineering Laboratory	1.50	C	
		CE 341 *	Principles of Soil Mechanics	4.00	C	
		CE 342	Geotechnical Engineering Laboratory	1.50	C	
			Total	21.50		

C: Compulsory

*: Registration of this course requires obtaining minimum F grade in its pre-requisite course

Level	Term	Course No.	Course Title	Credit Hours	Status of Course	Selection Basis/ Remarks
4	I	CE 400 **	Undergraduate Thesis	1.50	C	
		CE 401	Project planning and Construction Management	4.00	C	
		CE 404 **	Capstone Project	1.50	C	
		CE 410	Building Design Sessional	1.50	C	
		CE 411 *	Analysis of Indeterminate Structures	3.00	C	
		CE 441	Foundation Engineering	3.00	C	
		CE 451	Transportation Engineering II: Pavement Design and Railway Engineering	4.00	C	
		CE 452	Transportation Engineering Sessional I: Highway Materials and Traffic Engineering Design	1.50	C	
		WRE 451	Hydrology, Irrigation and Flood Management	3.00	C	
			Total	23.0		

C: Compulsory

*: Registration of this course requires passing of its pre-requisite course

** : To register in a division of specialization from Structural, Environmental, Geotechnical, and Transportation Engineering.

Level	Term	Course ID	Course Number, Title and Credit Hour/Week	Selection Basis/ Remark
4	II		CE 400 Undergraduate Thesis (1.5)	C
			CE 403 Sustainability of Development Projects (3.0)	C
			CE 404 Capstone Projects (3.0)	C
		S1 S2 S3 S4	CE 413 Introduction to Steel-Concrete Composite Structures (2.0) CE 415 Prestressed Concrete (2.0) CE 421 Dynamics of Structures (2.0) CE 419 Introduction of Finite Element Method (2.0)	S1 or S2 and S3 or S4
		E1 E2 E3	CE 433 Solid and Hazardous Waste Management (2.0) CE 435 Environmental Pollution Management (2.0) CE 437 Basic Environmental Management (2.0)	E1+E3 or E2+E3
		G1 G2 G3	CE 443 Earth Retaining Structures (2.0) CE 445 Elementary Soil Dynamics (2.0) CE 447 Soil-Water Interaction (2.0)	G1+G2 or G1+G3
		T1 T2 T3	CE 453 Transportation Engineering III: Traffic Engineering Design and Management (2.0) CE 455 Transportation Engineering IV: Pavement Management, Drainage and Airport (2.0) CE 457 Transportation Engineering V: Urban Transportation Planning and Management (2.0)	T1+T3 or T2+T3

C: Compulsory O: Optional

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