

Colegio de San Juan de Letran Calamba

Brgy. Bucal, City of Calamba, Laguna

BACHELOR OF SCIENCE IN CIVIL ENGINEERING (STRUCTURAL)

Curriculum Year 2022-2023

COURSE CODE	COURSE TITLE	Lec	Lab		TOTAL	PRE-REQUISITES/ CO-REQUISITES
		Units/Hrs	Units	Hrs		
FIRST YEAR, First Semester						
CE002	Civil Engineering Orientation	2			2	
CHM081L	Chemistry for Engineers Lab		1	3	1	
CHM083	Chemistry for Engineers	3			3	
FIL083	Komunikasyon sa Akademikong Filipino	3			3	
GEC013	Science, Technology, and Society	3			3	
GEC023	Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas	3			3	
GEC033	Mathematics in the Modern World	3			3	
MATH155A	Calculus 1	5			5	
NSTP1-18	National Service Training Program 1	3			3	
PATHFIT1002	Movement Competency Training	2			2	
RELED051	The Catholic Christian Faith	1			1	
	Total	28	1	3	29	
FIRST YEAR, Second Semester						
CoENG002L	Computer Fundamentals and Programming		2	6	2	
DRW001L	Engineering Drawing and Plans		1	3	1	
FIL093	Pagbasa at Pagsulat Tungo sa Pananaliksik	3			3	FIL083
GEC043	The Contemporary World	3			3	
LQEC763	Letran Quality Enrichment Course 76	3			3	
MATH155B	Calculus 2	5			5	MATH155A
NSTP2-18	National Service Training Program 2	3			3	NSTP1-18
PATHFIT2022	Exercise-Based Fitness	2			2	PATHFIT1002
PHY081L	Physics for Engineers Lab		1	3	1	MATH155A, co req PHY083
PHY083	Physics for Engineers	3			3	MATH155A, co req PHY081L
	Total	22	4	12	26	
SECOND YEAR, First Semester						
CE011L	Fundamentals of Surveying Lab		1	3	1	DRW001L, co req CE013
CE013	Fundamentals of Surveying	3			3	DRW001L, co req CE011L
DRW051L	Computer Aided Drafting		1	3	1	DRW001L
ENGG003	Statics of Rigid Bodies	3			3	MATH155B, PHY083, PHY081L
FIL113	Panitikang Filipino	3			3	FIL093
GEC003	Understanding the Self	3			3	
GEC053	Art Appreciation	3			3	
GEO012	Geology for Civil Engineers	2			2	CHM083, CHM081L
MATH223	Differential Equations	3			3	MATH155B
PATHFIT3032	Individual/Dual Sports	2			2	PATHFIT1002, PATHFIT2022
RELED063	Contemporary Issues in Christian Marriage	3			3	RELED051
	Total	25	2	6	27	
SECOND YEAR, Second Semester						
CE022	Construction Materials and Testing	2			2	ENGG003, co req CE021L, ENGG064
CE021L	Construction Materials and Testing Lab		1	3	1	ENGG003, co req CE022, ENGG064
CE043	Highway and Railroad Engineering	3			3	ENGG003, CE013, CE011L
ENGG002	Dynamics of Rigid Bodies	2			2	ENGG003, co req ENGG064
ENGG064	Mechanics of Deformable Bodies	4			4	ENGG003, co req CE022, CE021L, ENGG002
ENGG112	Engineering Management	2			2	
GEC073	Ethics	3			3	
LQEC773	Letran Quality Enrichment Course 77	3			3	LQEC763
MATH323	Engineering Data Analysis	3			3	
PATHFIT4042	Contemporary Dance	2			2	PATHFIT1002, PATHFIT2022
RELED073	Contemporary Issues about Church and Human Society with Immersion	3			3	RELED051
	Total	27	1	3	28	
SECOND YEAR, Inter-Semester						
CE033	Structural Theory	3			3	ENGG002, ENGG064, co req CE031L
CE031L	Structural Theory Lab		1	3	1	ENGG002, ENGG064, co req CE033
	Total	3	1	3	4	
THIRD YEAR, First Semester						
CE073	Principles of Reinforced/Prestressed Concrete	3			3	CE033, CE031L, co req CE071L
CE071L	Principles of Reinforced/Prestressed Concrete Lab		1	3	1	CE033, CE031L, co req CE073
CE082	Hydrology	2			2	ENGG002, ENGG064, co req CE094, CE091L
CE094	Hydraulics	4			4	ENGG002, ENGG064, co req CE082, CE091L
CE091L	Hydraulics Lab		1	3	1	ENGG002, ENGG064, co req CE082, CE094
CE123	Principles of Transportation Engineering	3			3	CE043
ENGG103	Engineering Economics	3			3	
ENGG253	Engineering Utilities 1	3			3	PHY083, PHY081L, co req ENGG263
ENGG263	Engineering Utilities 2	3			3	PHY083, PHY081L, co req ENGG253
GEC063	Purposive Communication	3			3	
MATH332	Numerical Solutions to CE Problems	2			2	MATH223, co req MATH331L
MATH331L	Numerical Solutions to CE Problems Lab		1	3	1	MATH223, co req MATH332
	Total	26	3	9	29	

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THIRD YEAR, Second Semester						
CE-PJ1	CE Project 1	1			1	CE073, CE071L, CE094, CE091L, CE123, co req CE-PJ1-L
CE-PJ1-L	CE Project 1 Lab		1	3	1	CE073, CE071L, CE094, CE091L, CE123, co req CE-PJ1
CE-SP1*	CE Specialized Course 1 (Reinforced Concrete Design)	3			3	CE073, CE071L, co req CE062, CE061L
CE-SP2*	CE Specialized Course 2 (Earthquake Engineering)	3			3	CE073, CE071L, co req CE062, CE061L
CE052	Building Systems Design	2			2	DRW051L, co req CE051L
CE051L	Buliding Systems Design Lab		1	3	1	DRW051L, co req CE052
CE062	Principles of Steel Design	2			2	CE073, CE071L, co req CE061L, CE-SP1, CE-SP2
CE061L	Principles of Steel Design Lab		1	3	1	CE073, CE071L, co req CE062, CE-SP1, CE-SP2
CE113	Geotechnical Engg 1-Soil Mechanics	3			3	CE033, CE031L, ENGG064, GEO012, co req CE111L
CE111L	Geotechnical Engg 1-Soil Mechanics Lab		1	3	1	CE033, CE031L, ENGG064, GEO012, co req CE113
ENGG193	Technopreneurship	3			3	ENGG112
LQEC783	Letran Quality Enrichment Course 78	3			3	LQEC773
	Total	20	4	12	24	
THIRD YEAR, Inter-Semester						
CE-PRC	On-the-Job Training (300 hrs)	2			2	CE062, CE113, co-req CE-PRC-L
CE-PRC-L	On-the-Job Training Lab		1	3	1	CE062, CE113, co-req CE-PRC
	Total	2	1	3	3	
FOURTH YEAR, First Semester						
CE-PJ2	CE Project 2	1			1	CE-PJ1, CE-PJ1-L, co req CE-PJ2-L
CE-PJ2-L	CE Project 2 Lab		1	3	1	CE-PJ1, CE-PJ1-L, co req CE-PJ2
CE-SP3*	CE Specialized Course 3 (Design Of Steel Structures)	3			3	CE073, CE071L
CE-SP4*	CE Specialized Course 4 (Computer Software In Structural Analysis)	3			3	CE062, CE061L
CE-SP5*	CE Specialized Course 5 (Bridge Engineering)	3			3	CE062, CE061L, CE073, CE071L
CE102	CE Laws, Ethics, and Contracts	2			2	CE-PRC, CE-PRC-L
CE131	Quantity Surveying	1			1	CE052, CE051L, co req CE131L
CE131L	Quantity Surveying Lab		1	3	1	CE052, CE051L, co req CE131
CE153	Construction Methods and Project Management	3			3	CE-PRC, CE-PRC-L
RZL023	Buhay at Mga Akda ni Rizal	3			3	
	Total	19	2	6	21	
FOURTH YEAR, Second Semester						
CE-ST112	Special Topics for CE	12			12	CE-SP3, CE-SP4
	Total	12			12	
GRAND TOTAL					203	

*Practicum - No simultaneous enrollment is allowed.

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Noted by:


 Engr. Christopher V. Gonzales 1-23-2023
 Acting Dean, SEA