

Student Learning Outcomes - Course Learning Outcomes
Introduce - Reinforce - Assessment Map AY 2020-2021

Course	Course Title	Units	SLO 1 Write	SLO 2 Oral	SLO 3 Safety	SLO 4 Estim	SLO 5 Sched.	SLO 6 Ethics	SLO 7 Docs.	SLO 8 Methods	SLO 9 Team	SLO 10 IT	SLO 11 Survey	SLO 12 Deliver	SLO 13 Risk	SLO 14 Acct.	SLO 15 QA/QC	SLO 16 Control	SLO 17 Contract	SLO 18 Sustain.	SLO 19 Struct.	SLO 20 MEP
CMGT 100	Concepts of Construction	3.0	I		I	I	I	I			I			I		I	I	I	I			
CMGT 101	* Construction Management Career Prep																					
CMGT 105	Construction Management Career Skills	3.0	I	I			I					I										
CMGT 110	Construction Graphics	3.0										I	I		I						I	
CMGT 135	Construction Materials and Systems	3.0								I							I			I		
CMGT 210	Analysis of Construction Drawings and Specifications	3.0				I		I	R			R	R	R								I
CMGT 235	Electrical and Mechanical Systems	3.0																		R		R
CMGT 330	Principles of Soil Mechanics and Foundations	3.0											DA				R					
CMGT 332	** Construction Method Analysis	3.0		DA	I	R	R		R	R	DA	R			I			R				
CMGT 335	Construction Equipment	3.0			R					R												
CMGT 350	Statics and Strengths of Materials	3.0																			R	
CMGT 352	* Electrical Construction Estimating																					
CMGT 360	** Construction Project Management	3.0	R	R	DA		R	R	R		R			DA	R	R			R	R		
CMGT 380	* Green Building Practices and LEED Certification																					
CMGT 385	Concepts of Sustainable Construction	3.0														R				DA		DA
CMGT 440	Temporary Structures	3.0								DA											DA	
CMGT 450	Construction (Building) Estimating	3.0				DA		DA				R			R							
CMGT 455	Construction Cost Management	3.0	R													DA	DA	DA				
CMGT 457	Project Control and Scheduling	3.0					DA		DA			DA			R				R			
CMGT 458	Heavy Construction Estimating	3.0				DA						R			R							
CMGT 460	Legal Aspects of Construction	3.0	DA												DA					DA		
CMGT 462	Construction Contracts	3.0						DA							DA					DA		
	Graduating Senior Survey		IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA
Total Construction Core Courses for Student Learning Outcomes		57.0																				

Survey's performed every 2-3 years																						
Alumni Survey			IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA
Employers Survey			IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA

* = Elective Course
 ** = Students are recommended to take CMGT 360 prior to taking CMGT 332

I = Introduced R = Reinforced DA = Direct Assessment IA = Indirect Assessment

Upon graduation from an accredited ACCE 4-year program a graduate shall be able to:

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| <ul style="list-style-type: none"> SLO 1 Create written communications appropriate to the construction discipline. SLO 2 Create oral presentations appropriate to the construction discipline. SLO 3 Create a construction project safety plan. SLO 4 Create construction project cost estimates. SLO 5 Create construction project schedules. SLO 6 Analyze professional decisions based on ethical principles. SLO 7 Analyze construction documents for planning and management of construction processes. SLO 8 Analyze methods, materials, and equipment used to construct projects. SLO 9 Apply construction management skills as an effective member of a multi-disciplinary team. SLO 10 Apply electronic-based technology to manage the construction process. SLO 11 Apply basic surveying techniques for construction layout and control. | <ul style="list-style-type: none"> SLO 12 Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process. SLO 13 Understand construction risk management. SLO 14 Understand construction accounting and cost control. SLO 15 Understand construction quality assurance and control. SLO 16 Understand construction project control processes. SLO 17 Understand the legal implications of contract, common, and regulatory law to manage a construction project. SLO 18 Understand the basic principles of sustainable construction. SLO 19 Understand the basic principles of structural behavior. SLO 20 Understand the basic principles of mechanical, electrical and plumbing systems. |
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