

**Student Learning Outcomes  
Assessment Map AY 2016-2017**

Course	Course Title	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			I			I						I	I		I		I				
CMGT 110	Construction Graphics										DA					I						
CMGT 135	Construction Materials and Systems								I							I			I			
CMGT 210	Analysis of Construction Drawings and Specifications						I				DA	I	R					I			I	
CMGT 235	Electrical and Mechanical Systems																		DA		DA	
CMGT 270	* Building Information Modeling																					
CMGT 275	* Architectural History																					
CMGT 330	Principles of Soil Mechanics and Foundations											DA		I								
CMGT 332	Construction Method Analysis		DA			R			DA	DA			R			R	I					
CMGT 335	Construction Equipment			R					DA			DA		R								
CMGT 340	Principles of Statics																			I		
CMGT 345	Mechanics of Materials																			DA		
CMGT 352	* Electrical Construction Estimating																					
CMGT 360	Construction Project Management	R		DA				DA					DA									
CMGT 380	* Green Building Practices and LEED Certification																					
CMGT 440	Temporary Structures																				R	
CMGT 450	Construction (Building) Estimating				DA		DA				R			R	I							
CMGT 455	Construction Cost Management														DA	DA	DA					
CMGT 457	Project Control and Scheduling					DA		DA			R			R			R					
CMGT 458	Heavy Construction Estimating				DA						R			R	R	R						
CMGT 460	Legal Aspects of Construction	DA					DA							DA								
CMGT 462	Construction Contracts	R					R												DA			
	Exiting Senior Survey	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA
	Alumni Survey	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA
	IAC/Employers Survey	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA

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