

Information Obtained from Assessment Measures: (Academic Year 2017-2018)

4.1 Assessment Tools for the BS CMGT Degree Objectives

- 4.1.1 Students should be academically high achieving.
 - a. Measure: Average SAT and GPA of Lower Level CMGT courses each semester

- 4.1.2 Students should have members of under-represented groups.
 - a. Measure: Percentages of underrepresented groups each academic year

- 4.1.3 Provide a curriculum and educational experience relevant to a career in construction management with expert instruction that results in a high level of student learning.
 - a. ACCE accreditation every six years
 - b. Student Learning Outcome assessments
 - a. Direct Student Learning Outcome assessments through projects, assignments, and exams of Capstone, Project Management, and other courses - measured each semester by faculty
 - c. Number of Department students participating in competition teams annually
 - d. Number of courses with hands on experiments and/or demonstration of crafts work annually
 - e. Number of courses that effectively integrate technology to enhance the learning annually
 - f. Number of construction jobsite visits each semester
 - g. Graduating seniors exit survey each semester
 - a. Results
 - h. One and four year alumni survey annually
 - i. Employer survey annually

- 4.1.4 Provide diverse career opportunities for students
 - a. Measure: Percentage of placement rate within three months after graduation
 - b. Measure: Percentage of students complete an internship
 - c. Measure: Diversity of companies attending the career fair

- 4.1.5 Provide graduates for the construction industry
 - a. Measure: Upper division enrollment
 - b. Measure: Number of Fall and Spring graduates.

Undergraduate Program Implementation and Review 2017-2018				
Measures	Target	Person responsible for data collection	Results 2016-2017	Met / Not Met Goal
Average SAT score and GPA of Lower level CMGT courses	1100/3.0	Registrar	Fall 2017 SAT: 1017 ACT: 20.6 GPA: 3.51 Spring 2018 SAT: 1008 ACT: 20.3 GPA: 3.52	Not Met
Percentage of underrepresented groups	20%	Advising Center / Registrar	Fall 2017 13.3% Spring 2018 10.7%	Not Met
Direct Student Learning Outcome Assessments	At least 75% of class score "C" or above	Faculty	Documentation provided to faculty for revision and implementation into Fall 2018 classes	See Results Below
Number of CMGT students participating in competition teams annually	10	Faculty / CMGT Secretary-Student Admin.	10 - NAHB National Competition 26 – Blockfest Competition	Met
Number of courses with hands on experiments	4	Chair	5 (CMGT 2211, 2401, 2701, 2951, 3711)	Met
Number of courses that effectively integrate technology	6	Chair	7 (CMGT 2600, 3010, 4000, 4100, 4110, 4200, 4400)	Met
Number of construction site visits annually	8	Faculty	CMGT 4000 – 1 CMGT 3710 – 2 CMGT 4300 – 6 Student Team Site Projects ECCA -1 AGC – 1 WICAT - 2	Met
Graduating seniors exit survey (Knowledge, Skills, & Personal Growth)	90%	IPAR	Knowledge 80.63% Skills 83.0% Personal Growth 81.25%	Not Met
One and Four year alumni survey	3.5/5	Assessment Committee / IPAR	2014 (4.11/5.00) 2017(3.72/5.00) Summer 2018	Met

Final Results: August 20, 2018

Employer Survey (every year)	3.5/5	Assessment Committee / IPAR	4.47/5.0 Summer 2018	Met
Placement rate within 3 months after graduation	100%	CMGT 4400 / Career Services	Fall 2017 – 9/14 = 64.3% Spring 2018 – 42/59 = 71.1%	Not Met
Number of students completing an internship	100%	CMGT Secretary-Student Admin.	100%	Met
Diversity of companies attending the Career Fair	Minimum of 5 for each major segment of the industry	Career Services	Commercial- 43.8% Residential- 13.8% Infrastructure- 20% Subcontractor- 11.2% Others- 11.2%	Met
Upper Division enrollment	250	Registrar	Fall 2017: 318 Spring 2018: 374 Average: 346	Met
Number of Graduates each semester	50	Registrar / CMGT Secretary-Student Admin.	Fall 2017 – 18 Spring 2018 – 58	Not Met

SLO Direct Assessment Results

1. Create written communications appropriate to the construction discipline.
Fall 2017 – CMGT 4300 Criterion Met, CMGT 4320 Criterion Met
Spring 2018 – CMGT 4300 Criterion Met, CMGT 4320 Criterion Met
2. Create oral presentations appropriate to the construction discipline.
Fall 2017 – CMGT 4300 Criterion Met, CMGT 4400 Criterion Met
Spring 2018 – CMGT 4300 Criterion Met, CMGT 4400 Criterion Met
3. Create a construction project safety plan.
Fall 2017 – CMGT 2900 Criterion Met, CMGT 4400 Criterion Met
Spring 2018 – CMGT 2900 Not Assessed, CMGT 4400 Criterion Met
4. Create construction project cost estimates.
Fall 2017 – CMGT 4000 Criterion Met, CMGT 4010 Criterion Met
Spring 2018 – CMGT 4000 Criterion Met, CMGT 4010 Not Assessed
5. Create construction project schedules.
Fall 2017 – CMGT 4100 Criterion Met, CMGT 4200 Criterion Met
Spring 2018 – CMGT 4100 Not Assessed, CMGT 4200 Criterion Not Met
6. Analyze professional decisions based on ethical principles.
Fall 2017 – CMGT 2600 Criterion Met, CMGT 3500 Criterion Met
Spring 2018 – CMGT 2600 Criterion Met, CMGT 3500 Criterion Met
7. Analyze construction documents for planning and management of construction processes.

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- Fall 2017 – CMGT 2700 Criterion Met, CMGT 4000 Criterion Met, CMGT 4380 Criterion Met
 Spring 2018 – CMGT 2700 Criterion Not Met, CMGT 4000 Criterion Met, CMGT 4380 Not Assessed
8. Analyze methods, materials, and equipment used to construct projects.
 Fall 2017 – CMGT 2700 Criterion Met, CMGT 4380 Criterion Not Met
 Spring 2018 – CMGT 2700 Criterion Not Met, CMGT 4380 Not Assessed
 9. Apply construction management skills a member of a multi-disciplinary team.
 Fall 2017 – CMGT 4400 Criterion Met
 Spring 2018 – CMGT 4400 Criterion Not Met
 10. Apply electronic-based technology to manage the construction process.
 Fall 2017 – CMGT 2950 Criterion Met, CMGT 3010 Criterion Not Met, CMGT 4000 Criterion Not Met, CMGT 4010 Criterion Met, CMGT 4100 Criterion Met, CMGT 4200 Criterion Met, CMGT 4400 Criterion Not Met
 Spring 2018 – CMGT 2950 Not Assessed, CMGT 3010 Criterion Not Met, CMGT 4000 Criterion Met, CMGT 4010 Not Assessed, CMGT 4100 Not Assessed, CMGT 4200 Criterion Met, CMGT 4400 Criterion Met
 11. Apply basic surveying techniques for construction layout and control.
 Fall 2017 – CMGT 2950 Criterion Not Met
 Spring 2018 – CMGT 2950 Not Assessed
 12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
 Fall 2017 – CMGT 3500 Criterion Not Met
 Spring 2018 – CMGT 3500 Criterion Met
 13. Understand construction risk management.
 Fall 2017 – CMGT 3500 Criterion Not Met, CMGT 4340 Criterion Not Met
 Spring 2018 – CMGT 3500 Criterion Met, CMGT 4340 Criterion Met
 14. Understand construction accounting and cost control.
 Fall 2017 – CMGT 4010 Criterion Met, CMGT 4200 Criterion Met, CMGT 4340 Criterion Met
 Spring 2018 – CMGT 4010 Not Assessed, CMGT 4200 Criterion Not Met, CMGT 4340 Criterion Met
 15. Understand construction quality assurance and control.
 Fall 2017 – CMGT 4300 Criterion Met
 Spring 2018 – CMGT 4300 Criterion Met
 16. Understand construction project control processes.
 Fall 2017 – CMGT 4200 Criterion Met
 Spring 2018 – CMGT 4200 Criterion Met
 17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
 Fall 2017 – CMGT 3500 Criterion Not Met
 Spring 2018 – CMGT 3500 Criterion Not Met
 18. Understand the basic principles of sustainable construction.
 Fall 2017 – CMGT 4320 Criterion Met

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- Spring 2018 – CMGT 4320 Criterion Met
19. Understand the basic principles of structural behavior.
Fall 2017 – CMGT 2650 Criterion Not Met
Spring 2018 – CMGT 2650 Not Assessed
20. Understand the basic principles of mechanical, electrical and piping systems.
Fall 2017 – CMGT 2750 Criterion Not Met
Spring 2018 – CMGT 2750 Criterion Not Met

Faculty and the Assessment Committee have met and reviewed all assessment measures, making additions, deletions, and alterations as needed.

Five SLOs (SLOs 3, 5, 8, 10, 11) were reviewed by the Assessment Committee, Faculty members, and the designated Industry Advisory Board Mentors to verify effectiveness of learning and assessment in the designated addressed classes. Adjustments have been made to classes to reflect the needed corrections.

Each class SLO that is assessed addresses Actions Taken, Results, Analysis of Results, and Actions Planned for the Next Reporting Semester. This review provides more continual updating of class activities that require improvement.

Classes noted as being Not Assessed were due to circumstances of faculty illness or a death in the Faculty family. Assessment documentation was not able to be submitted.