

## **Information Obtained from Assessment Measures: (Academic Year 2019-2020)**

### **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.

<b>Undergraduate Program Implementation and Review 2019-2020</b>				
Measures	Target	Person responsible for data collection	Results 2018-2019	Met / Not Met Goal
Average SAT score and GPA of Lower level CMGT courses	1100/3.0	Registrar	Fall 2019 SAT: 933 ACT: 20.7 GPA: 3.16 Spring 2020 SAT: 1008 ACT: 20.3 GPA: 3.15	<b>Not Met</b>
Percentage of underrepresented groups	20%	Advising Center / Registrar	Fall 2019 16.8% (14%) Spring 2020 17.5% (15%)	<b>Not Met</b>
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 2020 classes	<b>See Results Below</b>
Number of CMGT students participating in competition teams annually	10	Faculty / CMGT Secretary-Student Admin.	<b>8</b> - NAHB National Competition 5 – ABC National Competition (Not able to complete – COVID 19)	<b>Met</b>
Number of courses with hands on experiments	4	Chair	<b>5</b> (CMGT 2211, 2401, 2701, 2951, 3711)	<b>Met</b>
Number of courses that effectively integrate technology	6	Chair	<b>7</b> (CMGT 2600, 3010, 4000, 4100, 4110, 4200, 4400)	<b>Met</b>
Number of construction site visits annually	8	Faculty	CMGT 3710 – 3 CMGT 4300 – 5 Student Team Site Projects CMGT 4400 Company project used for Capstone met three times with Student Teams AGC – 1 to The Roberts Company Limited S2020 Semester Access (COVID 19)	<b>Met</b>
Graduating seniors exit survey (Knowledge, Skills, & Personal Growth	90%	IPAR	Knowledge 93.3% Skills 96.45% Personal Growth 90.6%	<b>Met</b>

One and Four year alumni survey	3.5/5	Assessment Committee / IPAR	2016 (3.82 / 5.00) 2019(3.66 / 5.00) Summer 2020	<b>Met</b>
Employer Survey (every year)	3.5/5	Assessment Committee / IPAR	3.74 / 5.0 Summer 2020	<b>Met</b>
Placement rate within 3 months after graduation	100%	CMGT 4400 / Career Services	Fall 2019 – 40/40 =100% Spring 2020 – 62/70 = 88.5% (7 unreported)	<b>Not Met</b>
Number of students completing an internship	100%	CMGT Secretary-Student Admin.	100%	<b>Met</b>
Diversity of companies attending the Career Fairs	Minimum of 5 for each major segment of the industry	Career Services	Commercial – 52.7% Residential – 10.4% Infrastructure – 22.5% Specialties – 11.2% Others – 3.2%	<b>Met</b>
Upper Division enrollment	250	Registrar	Fall 2019: 407 Spring 2020: 419 Average: 413	<b>Met</b>
Number of Graduates each semester	50	Registrar / CMGT Secretary-Student Admin.	Fall 2019 – 60 Spring 2020 – 79 Summer 2020 - 2	<b>Met</b>

## SLO Direct Assessment Results

1. Create written communications appropriate to the construction discipline.  
Fall 2019 – CMGT 4300 Criterion Met, CMGT 4320 Criterion Met  
Spring 2020 – CMGT 4300 Criterion Not Met, CMGT 4320 Criterion Not Met
2. Create oral presentations appropriate to the construction discipline.  
Fall 2019 – CMGT 4300 Criterion Met, CMGT 4400 Criterion Not Met  
Spring 2020 – CMGT 4300 Criterion Met, CMGT 4400 Criterion Met
3. Create a construction project safety plan.  
Fall 2019 – CMGT 2900 Criterion Met  
Spring 2020– CMGT 2900 Criterion Met
4. Create construction project cost estimates.  
Fall 2019 – CMGT 4000 Criterion Met, CMGT 4010 Criterion Met  
Spring 2020 – CMGT 4000 Criterion Met, CMGT 4010 Criterion Met
5. Create construction project schedules.  
Fall 2019 –CMGT 4100 Criterion Met, CMGT 4200 Criterion Not Met  
Spring 2020 – CMGT 4100 Criterion Not Met, CMGT 4200 Criterion Not Met
6. Analyze professional decisions based on ethical principles.  
Fall 2019 – CMGT 2600 Criterion Met, CMGT 3500 Criterion Met  
Spring 2020 – CMGT 2600 Criterion Met, CMGT 3500 Criterion Met

7. Analyze construction documents for planning and management of construction processes.  
 Fall 2019 – CMGT 2700 Criterion Met, CMGT 4000 Criterion Met, CMGT 4010 Criterion Met, CMGT 4380 Not Assessed  
 Spring 2020 – CMGT 2700 Criterion Met, CMGT 4000 Criterion Met, CMGT 4010 Criterion Met, CMGT 4380 Criterion Met
8. Analyze methods, materials, and equipment used to construct projects.  
 Fall 2019 – CMGT 2700 Criterion Met, CMGT 4380 Not Assessed  
 Spring 2020 – CMGT 2700 Criterion Met, CMGT 4380 Criterion Met
9. Apply construction management skills a member of a multi-disciplinary team.  
 Fall 2019 – CMGT 4400 Criterion Met  
 Spring 2020 – CMGT 4400 Criterion Met
10. Apply electronic-based technology to manage the construction process.  
 Fall 2019 – CMGT 3010 Criterion Not Met, CMGT 4010 Criterion Met, CMGT 4200 Criterion Not Met  
 Spring 2020 – CMGT 3010 Criterion Not Met, CMGT 4010 Criterion Met, CMGT 4200 Criterion Not Met
11. Apply basic surveying techniques for construction layout and control.  
 Fall 2019 – CMGT 2950 Criterion Met  
 Spring 2020 – CMGT 2950 Criterion Not Met
12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.  
 Fall 2019 – CMGT 3500 Criterion Not Met  
 Spring 2020 – CMGT 3500 Criterion Not Met
13. Understand construction risk management.  
 Fall 2019 – CMGT 3500 Criterion Not Met, CMGT 4340 Criterion Not Met  
 Spring 2020 – CMGT 3500 Criterion Met, CMGT 4340 Criterion Not Met
14. Understand construction accounting and cost control.  
 Fall 2019 – CMGT 4200 Criterion Not Met, CMGT 4340 Criterion Not Met  
 Spring 2020 – CMGT 4200 Criterion Not Met, CMGT 4340 Criterion Not Met
15. Understand construction quality assurance and control.  
 Fall 2019 – CMGT 4300 Criterion Not Met  
 Spring 2020 – CMGT 4300 Criterion Not Met
16. Understand construction project control processes.  
 Fall 2019 – CMGT 4200 Criterion Met  
 Spring 2020 – CMGT 4200 Criterion Met
17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.  
 Fall 2019 – CMGT 3500 Criterion Not Met  
 Spring 2020 – CMGT 3500 Criterion Not Met
18. Understand the basic principles of sustainable construction.  
 Fall 2019 – CMGT 4320 Criterion Met  
 Spring 2020 – CMGT 4320 Criterion Not Met
19. Understand the basic principles of structural behavior.  
 Fall 2019 – CMGT 2650 Criterion Met

Spring 2020 – CMGT 2650 Criterion Met

20. Understand the basic principles of mechanical, electrical and piping systems.

Fall 2019 – CMGT 2750 Criterion Met

Spring 2020 – CMGT 2750 Criterion Met

Faculty and the Assessment Committee have met and reviewed all assessment measures, making additions, deletions, and alterations as needed. A complete review of all assessment CLOs/SLOs will take place during the 2020-2021 Academic Year.

Eight SLOs (SLOs 1, 2, 4, 6, 7, 9, 13, and 14) 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. Review of the comments were reviewed with the faculty teaching courses assessing these SLOs to determine needed changes and/or additions. Adjustments have been made to classes to reflect determined 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.

CMGT 4380 (Fall 2018) was taught by faculty from HAN University in the Fall 2019. The Instructor was not required to assess due to their class structure.