

## **Information Obtained from Assessment Measures: (Academic Year 2018-2019)**

### **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 2018-2019</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 2018 SAT: 962 ACT: 20.8 GPA: 3.14 Spring 2019 SAT: 975 ACT: 21.0 GPA: 3.15	<b>Not Met</b>
Percentage of underrepresented groups	20%	Advising Center / Registrar	Fall 2018 14.5% Spring 2019 15.0%	<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 2019 classes	<b>See Results Below</b>
Number of CMGT students participating in competition teams annually	10	Faculty / CMGT Secretary-Student Admin.	<b>9</b> - NAHB National Competition <b>5</b> – ABC National Competition	<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 – 2 CMGT 4300 – 5 Student Team Site Projects AGC - 1 ECCA -1 WICAT – 2 USGBC - 2	<b>Met</b>
Graduating seniors exit survey (Knowledge, Skills, & Personal Growth)	90%	IPAR	Knowledge 70.5% Skills 68.8% Personal Growth 67.0%	<b>Not Met</b>
One and Four year alumni survey	3.5/5	Assessment Committee / IPAR	2015 (3.56 / 5.00) 2018(3.85 / 5.00) Summer 2019	<b>Met</b>
Employer Survey (every year)	3.5/5	Assessment Committee / IPAR	3.935 / 5.0 Summer 2019	<b>Met</b>

Placement rate within 3 months after graduation	100%	CMGT 4400 / Career Services	Fall 2018 – 16/21 =76.2% Spring 2019– 30/36 = 83.3%	<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 – 48.8% Residential – 11.2% Infrastructure – 18.2% Specialties – 14.1% Others – 7.7%	<b>Met</b>
Upper Division enrollment	250	Registrar	Fall 2018: 383 Spring 2019: 424 Average: 403	<b>Met</b>
Number of Graduates each semester	50	Registrar / CMGT Secretary-Student Admin.	Fall 2018 – 39 Spring 2019 – 67 Summer 2019 - 9	<b>Not Met</b>

## SLO Direct Assessment Results

1. Create written communications appropriate to the construction discipline.  
Fall 2018 – CMGT 4300 Criterion Not Met, CMGT 4320 Not Assessed  
Spring 2019 – CMGT 4300 Criterion Met, CMGT 4320 Criterion Not Met
2. Create oral presentations appropriate to the construction discipline.  
Fall 2018 – CMGT 4300 Criterion Met, CMGT 4400 Criterion Not Met  
Spring 2019 – CMGT 4300 Criterion Met, CMGT 4400 Criterion Not Met
3. Create a construction project safety plan.  
Fall 2018 – CMGT 2900 Criterion Met  
Spring 2019 – CMGT 2900 Criterion Met
4. Create construction project cost estimates.  
Fall 2018 – CMGT 4000 Criterion Met, CMGT 4010 Criterion Met  
Spring 2019 – CMGT 4000 Criterion Not Met, CMGT 4010 Criterion Met
5. Create construction project schedules.  
Fall 2018 –CMGT 4100 Criterion Not Met, CMGT 4200 Criterion Met  
Spring 2019 – CMGT 4100 Criterion Met, CMGT 4200 Criterion Not Met
6. Analyze professional decisions based on ethical principles.  
Fall 2018 – CMGT 2600 Criterion Met, CMGT 3500 Criterion Met  
Spring 2019 – CMGT 2600 Criterion Met, CMGT 3500 Criterion Met
7. Analyze construction documents for planning and management of construction processes.  
Fall 2018 – CMGT 2700 Not Assessed, CMGT 4000 Criterion Met, CMGT 4380 Criterion Met  
Spring 2019 – CMGT 2700 Criterion Met, CMGT 4000 Criterion Met, CMGT 4380 Criterion Met
8. Analyze methods, materials, and equipment used to construct projects.

- Fall 2018 – CMGT 2700 Not Assessed, CMGT 4380 Criterion Met  
 Spring 2019 – CMGT 2700 Criterion Met, CMGT 4380 Criterion Met
9. Apply construction management skills a member of a multi-disciplinary team.  
 Fall 2018 – CMGT 4400 Criterion Not Met  
 Spring 2019 – CMGT 4400 Criterion Not Met
10. Apply electronic-based technology to manage the construction process.  
 Fall 2018 – CMGT 3010 Criterion Not Met, CMGT 4010 Criterion Met, CMGT 4200 Criterion Met  
 Spring 2019 – CMGT 3010 Criterion Not Met, CMGT 4010 Criterion Met, CMGT 4200 Criterion Met
11. Apply basic surveying techniques for construction layout and control.  
 Fall 2018 – CMGT 2950 Not Assessed  
 Spring 2019 – 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 2018 – CMGT 3500 Criterion Not Met  
 Spring 2019 – CMGT 3500 Criterion Not Met
13. Understand construction risk management.  
 Fall 2018 – CMGT 3500 Criterion Met, CMGT 4340 Criterion Not Met  
 Spring 2019 – CMGT 3500 Criterion Met, CMGT 4340 Criterion Not Met
14. Understand construction accounting and cost control.  
 Fall 2018 – CMGT 4010 Criterion Met, CMGT 4200 Criterion Met, CMGT 4340 Criterion Not Met  
 Spring 2019 – CMGT 4010 Criterion Met, CMGT 4200 Criterion Met, CMGT 4340 Criterion Not Met
15. Understand construction quality assurance and control.  
 Fall 2018 – CMGT 4300 Criterion Not Met  
 Spring 2019 – CMGT 4300 Criterion Not Met
16. Understand construction project control processes.  
 Fall 2018 – CMGT 4200 Criterion Not Met  
 Spring 2019 – CMGT 4200 Criterion Not Met
17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.  
 Fall 2018 – CMGT 3500 Criterion Not Met  
 Spring 2019 – CMGT 3500 Criterion Not Met
18. Understand the basic principles of sustainable construction.  
 Fall 2018 – CMGT 4320 Not Assessed  
 Spring 2019 – CMGT 4320 Criterion Met
19. Understand the basic principles of structural behavior.  
 Fall 2018 – CMGT 2650 Criterion Met  
 Spring 2019 – CMGT 2650 Criterion met
20. Understand the basic principles of mechanical, electrical and piping systems.  
 Fall 2018 – CMGT 2750 Criterion Not Met  
 Spring 2019 – CMGT 2750 Criterion Met

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

Six SLOs (SLOs 12, 15, 16, 17, 18, 19) 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 4320 (Fall 2018) was taught by faculty from HAN University in the Fall 2018. They were not required to assess due to their class structure.

CMGT 2600 and CMGT 2950 (Fall 2019) was not assessed as documentation was not submitted by the faculty members teaching the courses.