

Actions to be Taken as a Result of Assessment Data Collection for 2021-2022 Academic Year: Based on (2020-2021) Results

SAT/GPA

Action Taken: Goal **NOT MET**. Due to COVID-19 impacts, standardized test scores were not required to be submitted and were not reviewed for admission to East Carolina University. We will continue to work with our College Recruitment Office to contact High School students and present the need for STEM capabilities in the profession. We are continually recruiting at STEM high school programs, as well as Community College programs for Transfer students. Our goal of SAT 1100 score is currently higher than the University average of first year freshman of 1070.

Underrepresented Groups

Action Taken: Goal **NOT MET**. We will continue our outreach programs in high schools and community college to increase our current academic year average 17.08% rate to meet the target percentage of 20%. We have increased the actual number our underrepresented group's enrollment from the previous year of 17.2%. We anticipate, with the return from COVID to normal operations, that by next academic year we will meet our goal. The University current undergraduate underrepresented groups' total 27% of the student body.

Direct Student Learning Outcome Assessments

Actions Taken: Goal **NOT MET**. The Faculty continued implementation of the IPAR Assessment Instrument that cataloged all Course Learning Outcomes (CLO) and ultimately collected data for the Program Student Learning Outcomes (SLO). This is the seventh year of full assessment of the new ACCE 20 Student Learning Outcomes.

Faculty have met and reviewed all assessment measures, making additions, deletions, and alterations as needed. Seven SLOs (SLOs 3, 5, 7, 8, 10, 11, and 13) were reviewed by the Assessment Committee, Faculty members, and the Industry Advisory Board Mentors to verify effectiveness of learning and assessment in the designated addressed classes. Faculty have reviewed IAB assessments and have made changes to classes to reflect the needed corrections. In 2021-2022, SLOs 12, 15, 16, 17, 18, 19, and 20 will be reviewed by the Assessment Committee, Faculty members, and the Industry Advisory Board Mentors as part of our ACCE Assessment cycle.

In February 2017, ECU CMGT received its reaccreditation for six years (February 2023).

CMGT Students Participating in Competitions

Actions Taken: Goal **NOT MET**. In Fall 2020 and Spring 2021 students were restricted from travel and participation in team competitions due to the COVID 19 pandemic. As academic operations are planned to return to normal systems beginning in Fall 2021, the faculty plan to once again implement student participation in the team competitions

including NAHB, ABC, and perhaps for the first time, the National Roofing Contractors Association (NRCA) Construction Management Student Competition.

Courses with Hands-On Experiments

Action Taken: Goal **NOT MET**. We currently **EXCEED** our goal of four classes and have purchased additional pieces of equipment for use in research and classes. While we still acknowledge the benefits to the students in learning to operate the equipment, we were unable to do so in this period due to the impacts of the COVID 19 pandemic. Classes will resume the use of the equipment as operations return to normal in Fall 2021; and, we will continue to request additional space to permit the installation of the new equipment.

Courses Integrating Technology

Action Taken: Goal **MET**. We are continuing the developing of BIM integration into the Estimating, Scheduling, MEP, and Capstone classes. We currently have eight (8) courses that integrate technology. Additionally, software programs in use by industry are implemented in the Estimating and Scheduling courses.

Construction Sites Visited

Action Taken: Goal **NOT MET**. Faculty are strongly encouraged to incorporate site visits in their classes. Industry Advisory Board members have indicated their willingness to provide site visits to plants and facilities. We are continuing our efforts to have these opportunities. When class visits are not possible, faculty are contacting individuals to provide class lectures on current projects. Because our class sizes are enlarged due to our increased student population, class site visits are becoming harder to undertake. We are reviewing remote visits with internet software.

Due to the COVID 19 pandemic, all visits to construction sites were cancelled for both the Fall 2020 and Spring 2021 semesters. As normal operations resume for Fall 2021, faculty will be encouraged to once again arrange site visits and guest lecturers to expand the learning opportunities for the students.

We are in discussions with the University administration to determine if the CMGT department faculty and students will be permitted access to University construction project sites.

Graduating Senior Exit Survey

Action Taken: Goal **MET**. Knowledge encompassing writing effectively, speaking effectively (i.e., to large and small groups and making presentations), listening attentively and comprehending written and oral information goals were met. Skills which encompasses using mathematical skills, applying scientific methods of inquiry, applying analytic skills, using critical thinking skills, using technologies appropriate to my discipline, developing leadership skills, and working effectively as part of a team also met the goal. Personal growth areas of concern will be addressed in all classes: Issues

associated with Racial Equity and Issues associated with Gender Equity. These two areas are of a concern since our profession includes all individuals.

The percentages reported this year were on par with those reported in the previous year. This is the second year that we have met all components.

One and Four Year Alumni Survey

Action Taken: Goal **MET** for these year surveys. Year 2017 had a mean average of 3.91/5.00. Year 2017 graduates (12 Respondents – 22.0% Response Rate) were the fourth graduating class educated using the current parameters for learning. None of the twenty SLOs fell below the 3.5 goal score. The lowest scoring of the SLOs, SLO11 regarding Surveying, scored 3.50. Twelve SLOs were at or above the 3.91 mean score.

Year 2020 graduates (15 Respondents – 37.0% Response Rate) had an overall higher mean average. The mean average was 4.10/5.00. None of the 20 SLOs fell below the 3.5 goal score. Eleven SLO scores were at or above the 4.10 mean score. These students were assessed for four years of their academic careers under the 20 SLO format.

Faculty involved in all assessment areas will evaluate the comments and responses of the alumni. Specific SLO areas addressed as at or below the 3.50 mean will be review with the CMGT Assessment Committee and Industry Advisory Board SLO Mentors to determine how the anticipated performance of students can be improved, and then be incorporated into the classes and tracked during the academic year. All SLOs should be maintained at the 4.00 level, therefore all faculty will carefully evaluate the performance and outcomes associated with their classes. Comments from the Student Alumni respondents will be reviewed for better understanding of potential changes in classes.

Employer Survey

Action Taken: Goal **MET** for this academic year with a mean average of 3.935/5.0. The Summer 2021 Employer Survey (11 Respondents – 16.0% Response Rate) was given. One of the SLOs, SLO 17 regarding legal implications of contracts, fell below the 3.50 mean. Ten of 20 Assessment SLO Means were at or above the 4.00 goal mean score. The remaining SLOs ranged from 3.40 to 3.75.

Faculty involved in all assessment areas will evaluate the comments and responses of our Industry Employers. Specific SLO areas addressed near the 3.50 mean will be reviewed with the CMGT Assessment Committee and Industry Advisory Board SLO Mentors to determine how the anticipated performance of students can be improved, and then be incorporated into the classes and tracked during the academic year. All SLOs should be maintained at the 4.00 level, therefore all faculty will carefully evaluate the performance and outcomes associated with their classes. Comments from the Industry respondents will be reviewed for better understanding of potential changes in classes.

Placement Rate

Actions Taken: Goal **NOT MET**. Due to the impacts of the COVID 19 pandemic in the Fall 2020, 59% of the graduating seniors failed to provide employment information by not completing the senior exit survey. Of the graduates that responded to the survey, 74% had accepted offers of employment.

In Spring 2021, we were still operating under the impacts of the COVID pandemic but did have an improved response rate to the survey where only 21% of the graduates failed to respond to the survey. Of the respondents, 86% had accepted offers of employment.

When we return to normal operating systems for the Fall 2021 semester, we plan to make responding to the survey a requirement of a senior course in hope to improve the response rate to 100%.

Number of Students completing an Internship

Action Taken: Goal **MET**. With the improvement of the construction industry, students are having little problem in obtaining internships. We continue to encourage employers to implement internship opportunities for our students. Based upon Career Fair activity of a combined (115) construction and construction related industries attending the fall, spring and CET gatherings, the opportunities have greatly increased for our students. Currently the overwhelming percentage of students are determining their final places of employment a full semester before graduation. Despite the COVID pandemic, the construction industry continued in operation and participation in the Career Fair remained strong. Although the Career Fair and resultant interviews were successfully held through virtual meetings, only 3 of the 152 intended graduates (Fall 2020 and Spring 2021 combined) failed to complete their internship hours.

Diversity of Companies Attending the Career Fair

Action Taken: Goal **MET** with representatives from each major section of the industry. We are continuing to contact other companies for representation at the fall, spring and CET Career Fairs. The past academic year had a combined (115) construction and construction related industries attending the Fall and Spring gatherings interviewing our UG students for both internships and permanent employment. Although company participation was down from the prior year due to COVID restrictions, confirmation of employment and internships was still strong, considering that all of the meetings and interviews, for both Fall 2020 and Spring 2021, were held virtually.

Upper Division Enrollment

Actions Taken: Goal **MET**. Our enrollment has had a significant growth over the past seven years due to our continual efforts in recruiting in high schools and community college programs. Based on those numbers, the upper division enrollment figures have increased. Increased student enrollment has met our student enrollment beyond our goal of 250 for the fourth straight year. Although it is our intention not to increase enrollment substantially above a total student population of 550, with the increasing

numbers of students seeking our degree, the Fall 2021 enrollment is anticipated to be 600+ Undergraduate students.

Number of Graduates Each Semester

Action Taken: Goal **MET**. Our current graduating classes represent those students that entered our program as the construction industries and programs in construction management were turning upward. We have continued to actively recruit high school students and community college programs and our enrollment continues to increase. With increased enrollment anticipated at 570 in Fall 2021, the number of graduates will continue to meet the goal of 50 for each semester. Typically, the number of Spring semester graduates is higher than the number of Fall graduates.