



Degree Program Assessment – Construction Management - BSCM for 2016-17

Degree code: CMGT

Degree type: BSCM

Degree title: Construction Management

Assessment year: 2016-17

Student Learning Outcome #1:

Create written communications.

Measure(s):

1. "Create written communications" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam
2. 4030 Construction Safety: research paper on an assigned safety plan topic

Target(s):

ULM students will score at or above the national average student score
Targets for 4030 assessment will be determined based on 2016-17 baselines

Was this target met?: Met

Results - Explain target met answer:

1. "Create written communications" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam: Fall 16 - ULM average was 1 point above the national average; Spring 17 - ULM average was 1 point below the national average
2. Construction Safety: research paper on an assigned safety plan topic: Student average score was 135.71 points of 165 possible or 85%.

Actions to Seek Improvement or Maintain Success:

The students are scoring right at the national average on the this portion of the national exam; they are continually progressing towards exceeding the target considering that the fall 15 and spring 16 scores were 9 and 3 points behind the national average for that year. So, gains are still being realized as students progress through the curriculum revisions that were implemented beginning in 2015. For the course embedded assessment in CONS 4030, since 2016-17 was the baseline year, the target for the 2017-18 year will be set to 85% average for the assignment with potential calibrations made after the second assessment cycle results are available.

Additionally, assignments were embedded into two new courses for the 2017-18 year. CONS 4045/4046 Digital Site Management will include a research paper covering a construction site management software product and CONS 4040 Construction Contracts will include written case critiques, the last of which will be collected for assessment purposes.

Student Learning Outcome #2:

Create a construction project safety plan.

Measure(s):

1. "Create a construction project safety plan" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam
2. 4030 Construction Safety: construction safety plan assignment

Target(s):

ULM students will score at or above the national average student score
Targets for course assessments will be determined based on 2016 baselines

Was this target met?: Met

Results - Explain target met answer:

1. "Create a construction project safety plan" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam: Fall 16 - ULM average was 6 points above the national average; Spring 17 - ULM average was 7 points above the national average
2. 4030 Construction Safety: construction safety plan assignment; the average assignment score was 85%

Actions to Seek Improvement or Maintain Success:

The students scored 6 and 7 percentage points above the national average in fall and spring, respectively, on the construction safety plan portion of the national exam, progressing from being below the average in both fall (-5 percentage points) and spring (-2 percentage points) in 2016-17.

This is a substantial increase. So, gains are still being realized as students' progress through the curriculum revisions that were implemented beginning in 2015. For the course embedded assessment in CONS 4030, since 2016-17 was the baseline year, the target for the 2017-18 year will be set to 85% average for the assignment with potential calibrations made after the second assessment cycle results are available.

Student Learning Outcome #3:

Create construction project schedules.

Measure(s):

1. "Create construction project schedules" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam
2. 4005/4006 Construction Scheduling/ Lab: Complete construction project schedule including activities along with material, labor and cost resources allocated using a construction scheduling software program

Target(s):

ULM students will score at or above the national average student score
Target for course assessments will be determined based on 2016 baselines

Results - Explain target met answer:

1. "Create construction project schedules" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam: Fall 16 - ULM average was 2 points above the national average; Spring 17 - ULM average was 1 point above the national average
2. 4005/4006 Construction Scheduling/ Lab: Complete construction project schedule including activities along with material, labor and cost resources allocated using a construction scheduling software program: These scores for 2016 are not available; and adjunct responsible for the course did not submit the scores to the program chair.

Actions to Seek Improvement or Maintain Success:

The students scored 2 and 1 points above the national average in fall and spring, respectively, on the construction project schedules portion of the national exam, progressing substantially from being below the average in both fall (-10 percentage points) and spring (-10 percentage points) in 2016-17. So, gains are still being realized as students' progress through the curriculum revisions that were implemented beginning in 2015. For the course embedded assessment in CONS 4005/4006, the adjunct faculty member who did not submit results was replaced by a full-time faculty member who will report scores moving forward with the 2017-18 year.

Student Learning Outcome #4:

Apply construction management skills as a team member.

Measure(s):

1. "Apply construction management skills as a team member" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam
2. 4030 Construction Safety: safety research topic group presentation

Target(s):

ULM students will score at or above the national average student score
Targets for course assessments will be determined based on 2016 baselines

Results - Explain target met answer:

1. "Apply construction management skills as a team member" section of the American Institute of Constructors Associate Constructor Certification (Level 1) exam: Fall 16 - ULM average was equal to the national average; Spring 17 - ULM average was 2 points below the national average
2. Construction Safety: safety research topic group presentation: Student average score was 27.75 points of 30 possible for the 20 of 21 students who complete the assignment or 93%.

Actions to Seek Improvement or Maintain Success:

The students scored at and slightly below the national average in fall and spring, respectively, on the team member skills portion of the national exam, progressing from being below the average in both fall (-5 percentage points) and spring (-5 percentage points) in 2016-17. This is a satisfactory increase. So, gains are still being realized as students' progress through the curriculum revisions that were implemented beginning in 2015. For the course embedded assessment in CONS 4030, since 2016-17 was the baseline year, the target for the 2017-18 year will be set to 85% average for the assignment with potential calibrations made after the second assessment cycle results are available and if results continue to be as high as the 2016-17 results.