

PROGRAM OUTCOMES ASSESSMENT SEMESTER REPORT

Spring 2019

|                            |
|----------------------------|
| <b>DEGREE/CERTIFICATE:</b> |
| <b>DIVISION:</b>           |

Construction Management, Associate of Applied Science (AAS)  
 Business, Social Sciences, and History

Percentage of  
 Students  
 Competent in  
 Mapped  
 Outcome

| PROGRAM OUTCOME#   | Course Number | Learning Outcome  | N  | N≥90 | 89-70 | Percentage of Students Competent in Mapped Outcome |
|--|---------------|---|----|------|-------|--|
| <b>Program Outcome 1:</b>  |               |   |    |      |       |  |
| Read construction drawings and specifications and apply knowledge when estimating and managing projects. | CMGT 1103     | 3. Interpret working drawings of residential and commercial structures    | 32 | 27   | 2     | 90.63%   |
|  | CMGT 2103     | 1. Interpret project plans and specifications to prepare an estimate      | 32 | 26   | 2     | 87.50%   |
|  | CMGT 2203     | 2. Demonstrate proper use of documents for managing construction projects | 44 | 0    | 44    | 100.00%  |

Comments on Program Outcome 1: The outcomes were all above 70% and new program outcomes will be implemented for the Fall 2019 assessment.

|  |           |  |    |    |    |         |
|--|-----------|--|----|----|----|---------|
| <b>Program Outcome 2:</b>  |           |  |    |    |    |         |
| Explain the need for safety awareness in the construction industry and apply safety regulations on the job site. | CMGT 1033 | 1. Describe the role of OSHA on construction sites and in construction accidents                 | 37 | 15 | 15 | 81.08%  |
|  |           | 2. Identify unsafe acts and unsafe conditions and how they cause construction accidents          | 37 | 24 | 11 | 94.59%  |
|  |           | 3. Recognize the four most common causes of construction site fatalities and how to prevent them | 37 | 12 | 21 | 89.19%  |
|  | CMGT 2253 | 2. Communicate the importance of life safety in the construction and maintenance of buildings    | 28 | 0  | 28 | 100.00% |
|  | CMGT 2303 | 2. Apply basic structural design principles  | 26 | 0  | 26 | 100.00% |

Comments on Program Outcome 2: The outcomes were all above 70% and new program outcomes will be implemented for the Fall 2019 assessment.

**Program Outcome 3:**

|   |           |  |    |    |    |         |
|---|-----------|--|----|----|----|---------|
| Communicate professionally, both verbally and in writing. | CMGT 1103 | 1. Identify concepts and techniques of the graphic communication language  | 43 | 41 | 2  | 100.00% |
|   | CMGT 1213 | 2. Explain how different building systems and components are selected, constructed, installed, connected, and integrated | 31 | 20 | 10 | 96.77%  |
|   | CMGT 2203 | 4. Organize and conduct project meetings   | 44 | 0  | 44 | 100.00% |
|   | CMGT 2353 | 1. Demonstrate proper use of surveying equipment and field notes   | 22 | 18 | 3  | 95.45%  |

Comments on Program Outcome 3: The outcomes were all above 70% and new program outcomes will be implemented for the Fall 2019 assessment.

**Program Outcome 4:**

|   |           |   |    |    |    |         |
|---|-----------|---|----|----|----|---------|
| Use software applications in areas of project administration, estimating, planning, and scheduling. | CMGT 1103 | 5. Create working drawings of a typical residential structure utilizing computer software | 33 | 21 | 7  | 84.85%  |
|   | CMGT 2413 | 5. Use scheduling software in planning and scheduling construction projects               | 23 | 0  | 23 | 100.00% |
|   | CMGT 2513 | 3. Use historical cost data for estimating materials, labor, and equipment                | 24 | 24 | 0  | 100.00% |

Comments on Program Outcome 4: The outcomes were all above 70% and new program outcomes will be implemented for the Fall 2019 assessment.

**Program Outcome 5:**

|   |           |   |    |   |    |         |
|---|-----------|---|----|---|----|---------|
| Identify legal business matters related to contracts and apply ethical standards to all business practices. | CMGT 2003 | 1. Identify the essential elements of a legally enforceable contract                      | 31 | 4 | 18 | 70.97%  |
|   |           | 3. Identify the effects that changes to the scope of work have on contractual obligations | 31 | 3 | 19 | 70.97%  |
|   | CMGT 2203 | 2. Demonstrate proper use of documents for managing construction projects                 | 44 | 0 | 44 | 100.00% |

Comments on Program Outcome 5: The outcomes were all above 70% and new program outcomes will be implemented for the Fall 2019 assessment.

Plan of action: How has previous data been used to improve these results (if applicable)? How will the data be used to improve program outcomes? What is the plan of action to improve program outcomes. The program has been approved to implement new program outcomes in the Fall 2019 semester.