

Academic Year 2025-2026

BS in Construction Management - BS-CONS Learning Outcomes

1. Written Communication: Create written communication. **MET**

Students are able to create written communication appropriate to the construction discipline. [ACCE SLO 1]

MEASURES	RESULTS	ACTIONS
Direct: Student work-based measure The targeted learning outcome will be measured directly based on the student's work in class. Proficiency: Acceptable proficiency level at 80 out of 100 on the assignment rubric Direct - Assignment <i>Capstone Construction Project: CMGT 4470</i> Target The average score of the class is 80/100 or higher.	MET Summary Refer to the attachment. 1a-SLO 01-Direct.pdf Analysis Average score of the class = 81.6/100 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to training and assessment.
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to create written communication appropriate to the construction discipline. Proficiency: Acceptable proficiency level at 7 out of 10 on the student self-assessment Indirect - Survey Target The average score of the graduating class is 7/10 or higher.	MET Summary Refer to the attachment. 1b-SLO 01-Indirect.pdf Analysis Average score of the class = 8.61/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Will maintain the current approach to assessing the current outcome.

Conclusion

Both direct and indirect measures met the targets.

2. Oral Communication: Create oral presentation appropriate to the construction discipline **MET**

Students are able to create and deliver oral presentations that are appropriate to the audience in the construction discipline. [ACCE SLO 02]

MEASURES	RESULTS	ACTIONS
Direct: Student work-based measure The targeted learning outcome will be measured directly based on the student's work in class. Acceptable proficiency level at 80 out of 100 on the assignment rubric Direct - Assignment <i>Capstone Construction Project: CMGT 4470</i> Target The average score of the class is 80/100 or higher.	MET Summary Refer to the attachment. 2a-SLO 02-Direct.pdf Analysis Average score of the class = 83.3/100 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to training and assessment.
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to create construction project schedules. Acceptable proficiency level at 70 out of 100 on the student self-assessment Indirect - Survey Target The average score of the graduating class is 7/10.	MET Summary Refer to the attachment. 2b-SLO 02-Indirect.pdf Analysis Average score of the class = 8.44/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Will maintain the current approach to assessing the current outcome.

Conclusion

Both direct and indirect measures met the targets.

3. Analytical Reasoning: Analyze and interpret data for informed decision-making to create cost estimates. **MET**

Students are able to create cost estimates to manage construction projects. [ACCE SLO 04]

MEASURES	RESULTS	ACTIONS
Direct: Student work-based assessment The targeted learning outcome will be measured directly based on the student's work in class. Proficiency: Acceptable proficiency level at 80 out of 100 on the assignment rubric. Direct - Assignment <i>Construct Cost Estim</i> <i>Analysis: CMGT 4420</i> Target The average score of the class is 80/100 or higher.	MET Summary Refer to the attachment. 3a-SLO 04-Direct.pdf Analysis Average score of the class = 83.4/100 Indicate acceptable proficiency.	Additional Training COMPLETE Continued Improvement: Students learned how to read industrial Cable Tray drawings and estimate components for installation. May train students to explore various ways of data structuring and documentation so as to develop a data template on their own. Plan: Developed Recommended Due Date: 12/01/2026
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to create construction project cost estimates. Proficiency: Acceptable proficiency level at 70 out of 100 on the student self-assessment. Indirect - Survey Target The average score of the graduating class is 70/100 or higher.	MET Summary Refer to the attachment. 3b-SLO 04-Indirect.pdf Analysis Average score of the class = 7.11/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Will maintain the current approach to assessing the current outcome.

Conclusion

Both direct and indirect measures met the targets.

4. Analytical Reasoning: Analyze and interpret data for informed decision-making to create construction project schedules. **MET**

Students are able to create schedules to manage construction projects. [ACCE SLO 05]

MEASURES	RESULTS	ACTIONS
Direct: Student work-based assessment The targeted learning outcome will be measured directly based on the student's work in class. Acceptable proficiency level at 80 out of 100 on the assignment rubric Direct - Assignment <i>Construction Plan and Schedule: CMGT 4310</i> Target The average score of the class is 80/100 or higher.	MET Summary Refer to the attachment. 4a-SLO 05-Direct.pdf Analysis Average score of the class = 81.1/100 Indicate acceptable proficiency.	Additional Training IN PROGRESS Continued Improvement: Approximately 30% of the class struggled to develop and calculate CPM schedules manually, indicating a limited understanding of the principles, rules, and methodological approaches used to build and manage such schedules. To improve the situation, the instructor may introduce additional problem-solving sessions to allow students to practice with more examples. Recommended Due Date: 12/01/2026
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to create construction project schedules. Acceptable proficiency level at 70 out of 100 on the student self-assessment Indirect - Survey Target The average score of the class is 70/100 or higher.	MET Summary Refer to the attachment. 4b-SLO 05-Indirect.pdf Analysis Average score of the class = 7.72/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Both direct and indirect measures met the targets.

Conclusion

Both direct and indirect measures met the targets.

5. Critical Thinking: Evaluate and compare methods and resources for construction projects. **MET**

Students are able to analyze, evaluate, and compare methods, materials, and equipment used to construct projects. [ACCE SLO 08]

MEASURES	RESULTS	ACTIONS
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Direct: Student work-based assessment The targeted learning outcome will be measured directly based on the student's work in class. Acceptable proficiency level at 80 out of 100 on the assignment rubric Direct - Assignment <i>Ind. & Mech. Constr.: CMGT 3340</i> Target The average score of the class is 80/100 or higher.	MET Summary Refer to the attachment. 5a-SLO 07-Direct.pdf Analysis Average score of the class = 82.73/100 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to training and assessment.
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to analyze methods, materials, and equipment used to construct projects. Acceptable proficiency level at 70 out of 100 on the student self-assessment Indirect - Interview Target The average score of the class is 70/100 or higher.	MET Summary Refer to the attachment. 5b-SLO 07-Indirect.pdf Analysis Average score of the class = 8.56/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Both direct and indirect measures met the targets.

Conclusion

Both direct and indirect measures met the targets.

6. Application of Technology: Apply advanced project management technologies. **MET**

Students are able to apply electronic-based advanced technologies to manage construction projects. [ACCE SLO 10]

MEASURES	RESULTS	ACTIONS
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Direct: Student work-based measure The targeted learning outcome will be measured directly based on the student's work in class. Acceptable proficiency level at 80 out of 100 on the assignment rubric Direct - Assignment <i>Construction Plan and Schedule: CMGT 4310</i> Target The average score of the class is 80/100 or higher.	MET Summary Refer to the attachment. 6a-SLO 08-Direct.pdf Analysis Average score of the class = 88.00/100 Indicate acceptable proficiency.	Additional Training IN PROGRESS Continued Improvement: Some students found it challenging to create and manage resources in Primavera P6. Another challenge some students experienced is updating the project schedule with different %-completion types. Overall, the instructor may increase P6 lab sessions. Recommended Due Date: 12/01/2026 Maintain Assessment Strategy Will maintain the current approach to training and assessment.
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to create construction project schedules. Acceptable proficiency level at 70 out of 100 on the student self-assessment Indirect - Survey Target The average score of the graduating class is 70/100 or higher.	MET Summary Refer to the attachment. 6b-SLO 08-Indirect.pdf Analysis Average score of the class = 7.67/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Both direct and indirect measures met the targets.

Conclusion

Both direct and indirect measures met the targets.

7. Analytical Reasoning: Understand the behavior of structural systems. **NOT MET**

Students are able to understand and evaluate the basic principles of structural behavior. [ACCE SLO 16]

MEASURES	RESULTS	ACTIONS
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Direct: Student work-based measure The targeted learning outcome will be measured directly based on the student's work in class. Acceptable proficiency level at 80 out of 100 on the assignment rubric Direct - Exam (Course-based) <i>Structural Behavior I: CMGT 3330</i> Target The average score of the class is 80/100 or higher.	NOT MET Summary Refer to the attachment. 7a-SLO 16-Direct.pdf Analysis Average score of the class = 67.5/100 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to training and assessment. Additional Training IN PROGRESS Continued Improvements: A significant proportion of students demonstrated deficiencies in foundational concepts from the prerequisite course, CMGT 2330 Fundamental Statics. Despite a two-week review session at the semester's outset, several students persisted in facing challenges with subsequent topics, and the session negatively impacted course pacing. To address these deficiencies, the following measures are recommended: (1) assign the same instructor to both CMGT 2330 Fundamental Statics and CMGT 3330 Structural Behavior I for instructional continuity; (2) engage a dedicated graduate student as a tutor for both courses to offer targeted support; and (3) incorporate curated online resources to support students' self-directed learning and concept reinforcement. Recommended Due Date: 12/01/2026
Indirect: Exit Interview Self-assessment: Considering that your education is to prepare you for an entry-level management position related to construction, how do you rate yourself concerning the following? (Choose the appropriate number. Use a scale of 0 to 10, with 10 being the highest level of confidence): I am able to create construction project schedules. Acceptable proficiency level at 70 out of 100 on the student self-assessment Indirect - Survey Target The average score of the graduating class is 70/100 or higher.	MET Summary Refer to the attachment. 7b-SLO 16-Indirect.pdf Analysis Average score of the class = 7.8/10 Indicate acceptable proficiency.	Maintain Assessment Strategy Will maintain the current approach to assessing indirect measure.

General Outcome Actions

ACTIONS
Maintain Assessment Strategy Both direct and indirect measures met the targets.

Conclusion

Both direct and indirect measures met the targets.