The following SLOs for the **Construction Management Master's Program** were assessed during the 2015-16 Academic Year:

Year 1: 2018-2019	
1. Which SLO(s) to assess	7. Complex project decision making and associated risk management
2. Assessment indicators	a-Midterm exam question; e- Final exam performance
3. Sample (courses/# of students)	a-CMGT 6700
4. Time (which quarter(s))	a-Spring 2016
5. Responsible person(s)	a-Prof. Gaedicke
6. Ways of reporting (how, to who)	The results will be reported by faculty to the department chair via completion of the course Faculty Self-Assessment form.
7. Ways of closing the loop	Interaction between chair, faculty and industry advisory board

Assessment of SLO (7):

Outcome 7 was assessed in CMGT 6700 – Construction Risk Management and Commissioning, using the final course project report. The purpose of this project is to use analytical methods for complex project decision making and associated risk management. The emphasis of this project focused mainly on your ability to properly describe, document, characterize and evaluate risks in a project.

As part of the project students did:

1. Identify a project under construction.
2. Obtain the base cost for the project.
3. Identify six risks for the given project (ideally discuss the risks with the project
    a. manager).
4. Quantify the probability and impact for each of the identified risks

5. Run the Risk Assessment spreadsheet (given on blackboard) to evaluate the
6. impact of the two risks on the project. How did the risks affect the project cost
    a. and schedule?
7. Discuss methods to mitigate those risks (use the plots obtained from the
    a. spreadsheet)
8. Reevaluate your results using the Risk Assessment spreadsheet (given on
    a. blackboard)
9. Compare the outcomes of the pre-mitigated (step 5) and post-mitigated (step 8)
    a. risk analysis.
10. Obtain the selected project schedule and repeat steps from 1-8 to conduct time
    a. impact analysis.
11. Obtain the cost loaded version of the project schedule and repeat steps from 1-8 to
    a. conduct proper cost forecasting using stochastic analysis.
12. Conduct comparisons between simulations using different distribution types.

Groups of students that fulfilled the outcome had a total score of at least 80 out of 100 (80%). Based on this threshold, 35 out 39 students (89.7%) achieved the outcome. We propose to change the deadlines for submission of the report, to give the students more time to improve their report based on the instructor's feedback.