# Assessment Report for the Construction Management Program

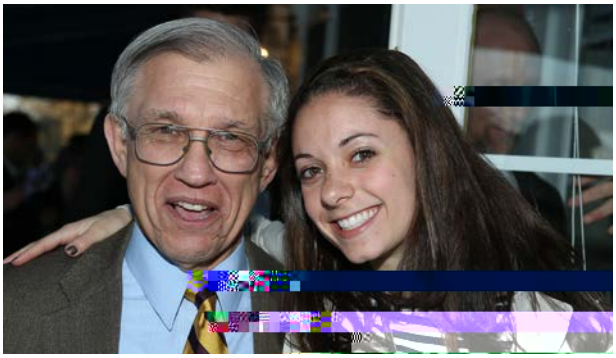
The annual assessment report provides the opportunity to review the state of the construction management program at Roger Williams University. This annual report covers the academic year beginning in August 2013 and ending in July 2014 (AY 2013-2014). Its focus is on the academic

**Present**

This assessment report considered both formal and informally gathered data. The formally gathered input information included transcript review, CM Senior Exit Survey Summary (Tab E), CM Senior Exit Survey Data (Tab F), CM Senior Capstone Jury Report (Tab G), Associate Constructor Level I Examination Report (Tab H), CM Student Club Report (Tab I), and the SLC-USGBCEet cTab

**3. Advance the construction management profession by becoming actively involved in professional associations and societies, serving in professional and community volunteer positions, and acting as a role model for the future generation of constructors and the Roger Williams University Construction Management students.**

Most of our graduates are members of professional associations. Alumni involvement on our CM Advisory Board and as members of our capstone review panel has grown. Four alumni joined the board as foundation members and other alumni participate as team mentors and guest speakers. The alumni subcommittee of our CM Advisory Board sponsored the fourth annual CM Alumni and Senior banquet on May 2nd.



The event was organized by CM alumni and culminated a day filled with CM alumni program involvement. Alumni participated both as capstone project judges and volunteered to meet with all graduating seniors as part of the senior “exit survey” process.

outcome was evaluated, program faculty examine the outcomes and metrics and made adjustments to better evaluate program performance.

| **Outcome b:**<br>**effective research and problem solving skills applied to typical Construction Management tasks** | | | |
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| **Metrics Associated with Outcome b:** | **Where Measured** | **Met** | **Comments** |
| 1. At least 50% of all CM courses will require research and problem solving skills. | Course Binders | Yes | |
| 2. At least 10% of all Construction Management seniors will participate in a competition where their ability to research and solve problems and will be externally judged and assessed. | Student Competitions | Yes | |
| 3. Graduating seniors report that they have achieved proficiency in the ability to solve construction problems. Proficiency is defined as a mean and median score of 4 or above on a 5 point scale where 5 means proficiency achieved and 1 means proficiency not achieved. | Student Exit Survey | Yes | |
| 4. Alumni rate their preparation for the workplace proficient in the area of research and problem solving. Proficiency is defined as a mean and median score of 4 or above on a 5 point scale where 5 means proficiency achieved and 1 means proficiency not achieved. | Alumni Survey<br>Employer Survey | N/A | Poor Alumni Survey participation |

| Outcome c:<br>an ability to plan, to organize and to control a construction project | | | |
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| **Metrics Associated with Outcome c:** | **Where Measured** | **Met** | **Comments** |
| 1. 100% of Construction students participate in a Capstone Project Class that involves a semester long industry sponsored project that demonstrates their ability to successfully plan, organize and control a project. | Capstone Project<br>Juror Evaluations<br>Transcript Review | Yes | |
| 2. Employment Interviewers rate applicants proficient for internship | | | |

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**Outcome e:**
**an understanding of professional and ethical responsibility**

| **Outcome f:<br>an ability to communicate effectively** | | | |
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| **Metrics Associated with Outcome f** | **Where Measured** | **Met** | **Comments** |
| 1. At least 85% of all mentors and potential employers agree that graduating seniors possess the ability to communicate effectively. | Capstone Jury<br>Graduate employer survey | Yes | Though achieved all feel that there is room for improvement |
| 2. 100% of seniors will have the opportunity in construction classes to make an oral presentation at least twice a semester in their senior year. | Course Binders<br>Course Assessment Report | Yes | |
| 3. 100% of all freshmen will have the opportunity to make an oral presentation in a construction class at least 2 times per year. | Course Binders<br>Course Assessment Report | Yes | |
| 4. 100% of graduates will produce an acceptable senior capstone oral report as evaluated by external and internal review. | Capstone Jury | Yes | More work is needed to better assist our international students |

5. At least 90% of alumni report that their RWU education has prepared them proficiently in 41 in 41 in 41 in na9i01 Tw 9.96 -0 0 9.96 96.72l.9(ni)-8nt1a..1(r)-6.3(2t)-1.1 Tc 0.044 0.406.4(

| Outcome g:<br>the broad education necessary to understand the impact of construction in a global, economic, environmental, and societal context | | |
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| **Metrics Associated with Outcome g** | **Where Measured** | **Met** |

| **Outcome h:<br>a recognition of the need for, and an ability to engage in lifelong learning** | | | |
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| **Metrics Associated with Outcome h** | **Where Measured** | **Met** | **Comments** |
| 1. 75% of graduating seniors will sit for the AC exam. | AC Exam Results | No | 72% |
| 2. At least 50% of CM students will be active members in the CM club. | CM Club Report | Yes | |
| 3. Alumni indicate participation in professional training, professional societies or a graduate school since graduating from RWU. Adequate icipaf 0 bov1(i)-8.9.96 96.56 ra8 61o -1.145 par . | | | |

**Outcome i:**
**a knowledge of contemporary issues related to the construction industry**

Three curriculum changes were made and approved this year.

AY 1314-1: Change is semester offered for CNST 130 to spring from fall.

AY 1314-2: Change in semester offered for CNST 116 to fall to spring.

AY 1314-13: Replace the required business elective in the major with business elective (pick one): MGMT 336, FNCE 301, ACCTG 304, MRKT 335, and ENGR 335. This change creates more structure to the CM student's business elective choice. Options are provided the student in each of the major business school sectors. Business courses selected are offered both semesters, are of reasonable rigor, and require prerequisite courses our CM student has taken.

As mentioned in Section 2 a number of formal reports were made this year which were reviewed and discussed be the faculty:

**Internship Program**

In the AY 2013-2014, faculty and administration as well as the RWU Career Center continued to encourage all students to get involved with internships specifically during the summer periods. Approximately 79% of all students in the CM program reported to have a paid employment experience during the summer of 2013. The percentage of summer employment within different academic levels is lower for seniors when compared to juniors and sophomores. Approximately 87% of all juniors and sophomores had paid summer employment compared to 61% employment of the seniors, during the summer of 2013. Some of these numbers are encouraging for the upcoming years as a high internship experience among under classmen helps program meet its goal of having a 100% of all students to have at least one internship experience prior to graduation. However, based on the exit survey results, CM program could not meet the 100% internship goal with the graduating class of 2014 unlike the previous years. Based on the survey responses from those students who do not have an internship experience prior to graduation, it is clear that the main challenge has been for international students. Lack of a working visa and a lack of interest from a majority of companies to sponsor an international student

See Tab J for Internship Survey data.

**CM Student Club activity: CM Club, Sigma Lambda Chi and USGC Student Chapter**

The CM club ran a spring and fall lecture series, managed elections for next year's officers, and helped select next year's competition teams. Much time was spent establishing a process for the selection of competition teams. It is the CM program's philosophy that the CM club manages team selection, but as faculty we need to provide oversight. This is a delicate balance. The CM club rewrote the organization's Constitution that describes this process as well as the overall governance and operation of the club. The complete CM club report can be found at Tab I.

SLC was an active participant in the Community Partnership Center project. SLC also helped industry professionals mentor high school students as part of the ACE Mentor Program and assisted in historic renovation of some Bristol town properties. SLC won the Excellence in Service Projects to Major Field of Study. John Saunders, a long time Heavy Highway industry mentor, was recognized as an Honorary Chapter Member at the spring induction ceremony. Plans for next year include an effort to reconnect with past SLC members and work with the program to create a more complete and active alumni database. SLC will also select a member to sit on the editorial board of the new CM Blog on the upcoming CM website. See Tab J for the complete SLC report.

This year's USGBC group was very inactive as compared to past years. One accomplishment was the receipt of funding to send four students to the Green Building Expo to be held in Washington, DC. Every effort will be made to strengthen leadership for next year. See Tab J for a complete report.

**Capstone Project**

A complete report on the student Capstone Project experience can be found at Tab G.

Like last year, projects were run in a competition format; students were given a choice on project type; all projects were corporate sponsored and headed by alumni. Additionally, the competition winners were recognized at our 1.157 Td [(t)-1.1(he r1 0 Td .4( c)-8.1(om)-2c)-20.1(om(er)-6a)5.8(t)]TJ 0 Tc 3(m)-12

increasing feedback and providing more opportunities for alumni student interaction. Again, two projects will be used next year given the projected senior class size.

Access to Primavera software outside of class was a problem. Possible solutions are to allow students access to our labs evenings and weekends, allow the students to “check out” laptops, or provide access to the software via the cloud.