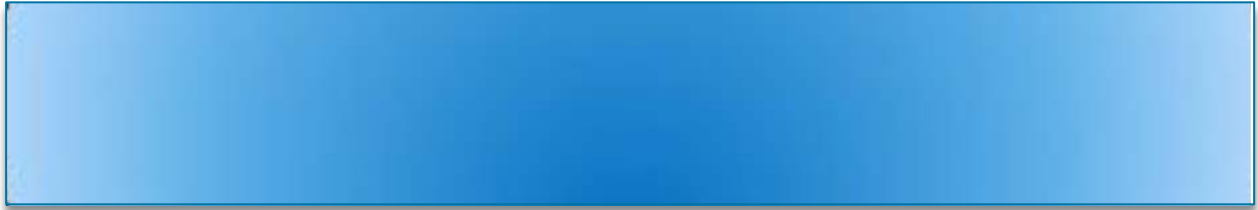


## Student Learning Outcomes Assessment Summary



**Submitted by: Galen Johnson**  
**Contact Information: 455-2846**  
**gjohns55@alaska.edu**  
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### ■ Assessment information collected

- A. Specific exam questions are tracked:
  - 1. A news article about a contractor's termination from a fairly high profile local project role was included in a final exam and students were required to comment on contractual obligations and to explain the role of scheduling, insurance and bonding in this situation.
  - 2. A series of construction cost estimating questions requires development and evaluation of productivity factors which were applied to quantities determined by material takeoff and then priced with composite labor rates derived separately.
  - 3. Aspects of special logistics for construction in remote locations and unique requirements for commercial building foundations in permafrost soils, topics which are not covered in our text books, were incorporated into various courses.
- B. We continue to monitor student's instructor opinion survey and course evaluation comments and we solicit feed-back on course content relevancy in regards to experiences that students encounter during their Construction Management Internship.

### ■ Conclusions drawn from the information summarized above

- A. While test results show improved comprehension of various contractual circumstances and increased understanding of influences on productivity there is still "room for improvement".
- B. Students continue to express satisfaction with course delivery and the feed-back from not only internship experiences, but other employment experiences is positive.
- C. Including design and construction information on Alaskan projects, including the trans-Alaska pipeline, generates increased interest in both cold climate specific and other general "textbook" construction management topics.

- **Curricular changes resulting from conclusions drawn above**

- A. Greater emphasis on the roles and responsibilities of project participants and the influence of various project delivery systems is being incorporated into the introductory courses.
- B. Guest lecturers are requested to include information on these and other milestone topics as they relate their personal experiences. A very successful recent addition to this group is David Hale (2013 SOM Business Leader of the Year) who mentioned some interesting nuances to construction insurance and bonding with which he, as a broker, is intimately and professionally familiar.

- **Identify the faculty members involved in reaching the conclusions drawn above and agreeing upon the curricular changes resulting**

The Construction Management program greatly benefits from excellent and experienced Adjunct Faculty members who teach some our courses. Some of the changes above have been discussed and reviewed with our faculty as time and circumstance allowed, including the following individuals:

Steve Geraghty P.E., Adjunct Faculty

Ron Moore P.E., Adjunct Faculty

Jeff Howe, Adjunct Faculty

Thane Magelky, Associate Professor, Construction Management and Drafting Technology  
Department Chair

Galen Johnson P.E., Associate Professor, Construction Management Program Head