

Student Learning Outcomes Assessment Summary

Drafting Technology, Certificate

Community and Technical College

AY 16-17 & AY 17-18

Galen Johnson, DRT Program Coordinator

455-2846 gjohns55@alaska.edu

05/09/2018

▪ **Assessment information collected**

- A. Faculty collect and review student work on an ongoing basis. Many of our adjunct instructors are professionals working in the architectural and engineering fields.
- B. Employers of DRT student interns and full-time drafting technicians were interviewed on an ad-hoc basis.

▪ **Conclusions drawn from the information summarized above**

- A. Students develop good skills in the basic common courses plus those which they select for their respective concentrations.
- B. The two Design Technology (DSGN) courses which were added after the previous SLOA review cycle have proven quite popular and continue to successfully introduce students to the use of CAD and other design and animation software for purposes other than construction design documents.
- C. The small size of the program limits options as to availability of courses, so students entering mid-year and part-time students occasionally must compromise the optimum sequence of coursework to result in an acceptable path to degree completion.

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

- A. Comprehensive CAD text resources are being sought which can be utilized through the entire Beginning-Intermediate-Advanced drafting course sequence to assist instructors and students.
- B. Advising of DRT students will continue to emphasize course sequencing which is intended to best prepare them for successful learning while recognizing that some compromise may be needed to avoid unacceptably long completion time.
- C. Geometry skills and the use of SketchUp software has been successfully added to the DRT F101 Intro to Drafting course per the previous SLOA evaluation cycle.

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

The Drafting Technology program is fortunate to utilize excellent and experienced Adjunct Faculty members whose daily work often involves those real-world examples which help them illustrate and explain many of the aspects which they are teaching in our courses. The changes above have been discussed and reviewed with our faculty as time and circumstances allowed, including the following individuals:

Jason Colquhon, P.E. (*Professional Mechanical Engineer*), Adjunct Faculty
Davey Wells (*Industry Certified CAD & GIS Supervisor*), Adjunct Faculty
Paul Eckman, E.I.T. (*AK DOT/PF Civil designer*), Adjunct Faculty
Hui-Ping Foster (*AK DOT/PF Civil design technician*), Adjunct Faculty
Christoph Falke, AIA (*Professional Architect*), Adjunct Faculty
Karl Bergman, Adjunct Faculty
Adam McDermott, Adjunct Faculty
Joel Sturm, Program Assistant
William Fox, Program Assistant & Adjunct Faculty
Galen Johnson, P.E., Professor, CM and DRT Program Coordinator