

Memorandum

Date: June 8, 2008

To: Donna Trautman, Associate Dean

From: Travis Chapin, Program Director of CM&T

Re: Construction Management (CM) Assessment Report

1. The first and third learning outcomes are still the focus of assessment this year, i.e. communication and construction management skills.
2. Assessment has been focused on the Capstone written and oral reports. This has just been initiated but the reports seem to be of adequate quality. The American Institute of Construction (AIC) professional certification exam was initiated in the Spring 2006 semester.
3. Our analysis has resulted in continuing to include more written and oral communication into all courses. Capstone and coop reports are being implemented. As a result of our advisory committee developed a workshop on resume' writing and interview skills; improvements will be evaluated soon.
4. In the area of Construction Management Skills, we have started to use the results of the AIC professional certification exam taken by our students to assess how our students performed when compared to national norms. Some correcting actions have been adopted in some courses, but it needs more time to evaluate the effectiveness of these actions. The school Architecture and Construction Management will bring together a synergy of interests to develop a congruent curriculum for the built environment that is the focus of both Architecture and Construction Management.

Program Assessment Report

Construction Management and Technology (September 2007)

Learning Outcomes	Assessment Methods	Inferences from Assessment	Actions Taken/Program Improvements
1. Demonstrate effective communications: <ul style="list-style-type: none"> • Oral presentations. • Written technical reports. • Critiquing the work of others. 	<ul style="list-style-type: none"> • Oral and writing skills are assessed as course assignments. • Feedback from Construction Management Advisory Committee. • Implementation into a Capstone written report 	<ul style="list-style-type: none"> • Oral and writing skill still need improvements as demonstrated through course assignments and the capstone paper. 	<ul style="list-style-type: none"> • Suitable CM courses will teach oral and writing skills and techniques in addition to Capstone Class. • The written coop reports will be evaluated with more feedback to the students on improvements.
2. Exhibit construction business skills: <ul style="list-style-type: none"> • Construction financing. • Business management. • Personnel management. 	<ul style="list-style-type: none"> • Construction business skills are assessed in courses that include: economics, accounting, principles of management, and business law. • Feedback from Construction Management Advisory Committee. 	<ul style="list-style-type: none"> • Business skills related to professionalism need to be enhanced. 	<ul style="list-style-type: none"> • Courses (Construction Management and others) will be identified to teach additional knowledge in business professionalism.
3. Application of Construction management skills: <ul style="list-style-type: none"> • Cost estimating and control. • Construction mathematics and engineering. • Construction scheduling. • Construction equipment. • Construction safety. • Construction materials. • Construction methods. • Construction law and ethics. • Computer applications in construction. 	<ul style="list-style-type: none"> • Various Construction Management skills are assessed in individual Construction Management courses. • Feedback from Construction Management Advisory Committee. • American Institute of Construction (AIC) certification exam. 	<ul style="list-style-type: none"> • Construction Management skills related to construction ethics, construction mathematics and engineering, and construction safety need to be enhanced. • From the ACCE report, greater synergy for curriculum changes and identification or resources is needed. • Students are behind national averages. 	<ul style="list-style-type: none"> • CM Courses and others will teach additional knowledge in construction ethics, construction mathematics and engineering, and construction safety. • For greater synergy form a School of Architecture and Construction Management. Proposal being developed. • Evaluate the significance of this perceived deficiency and review courses accordingly.