

# Program Assessment Report

Construction Management and Technology (September 2008)

Learning Outcomes	Assessment Methods	Inferences from Assessment	Actions Taken/Program Improvements
<p>1. Demonstrate effective communications:</p> <ul style="list-style-type: none"> <li>• Oral presentations.</li> <li>• Written technical reports.</li> <li>• Critiquing the work of others.</li> </ul>	<ul style="list-style-type: none"> <li>• Oral and writing skills are assessed as course assignments.</li> <li>• Feedback from Construction Management Advisory Committee.</li> <li>• Implementation into a Capstone written report</li> <li>• Addition of a Speech Course</li> </ul>	<ul style="list-style-type: none"> <li>• Oral and writing skill still need improvements as demonstrated through course assignments and the capstone paper.</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable CM courses will teach oral and writing skills and techniques in addition to Capstone Class.</li> <li>• The written coop reports will be evaluated with more feedback to the students on improvements.</li> <li>• Speech course (IPC 102) added.</li> </ul>
<p>2. Exhibit construction business skills:</p> <ul style="list-style-type: none"> <li>• Construction financing.</li> <li>• Business management.</li> <li>• Personnel management.</li> <li>• Ethics in construction</li> <li>• Leadership</li> </ul>	<ul style="list-style-type: none"> <li>• Construction business skills are assessed in courses that include: economics, accounting, principles of management, and business law.</li> <li>• Feedback from Construction Management Advisory Committee..</li> </ul>	<ul style="list-style-type: none"> <li>• Business skills related to professionalism need to be enhanced.</li> <li>• ACCE accreditations standards has encouraged the review of ethics.</li> </ul>	<ul style="list-style-type: none"> <li>• Courses (Construction Management and others) will be identified to teach additional knowledge in business professionalism.</li> <li>• Ethics will be addressed in at least 5 construction</li> <li>• Leadership Methodology pending</li> </ul>
<p>3. Application of Construction management skills:</p> <ul style="list-style-type: none"> <li>• Cost estimating and control.</li> <li>• Construction mathematics and engineering.</li> <li>• Construction scheduling.</li> <li>• Construction equipment.</li> <li>• Construction safety.</li> <li>• Construction materials.</li> <li>• Construction methods.</li> <li>• Construction law and ethics.</li> <li>• Computer applications in construction.</li> </ul>	<ul style="list-style-type: none"> <li>• Various Construction Management skills are assessed in individual Construction Management courses.</li> <li>• Feedback from Construction Management Advisory Committee.</li> <li>• American Institute of Construction (AIC) certification exam.</li> <li>• Construction Math class has been developed.</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Management skills related to construction ethics, construction mathematics and engineering, and construction safety need to be enhanced.</li> <li>• From the ACCE report, greater synergy for curriculum changes and identification or resources is needed.</li> <li>• Students are behind national averages but doing better</li> </ul>	<ul style="list-style-type: none"> <li>• CM Courses and others will teach additional knowledge in construction ethics, construction mathematics and engineering, and construction safety.</li> <li>• For greater synergy form a Department of Construction Management. Proposal being developed.</li> <li>• Evaluate the significance of this perceived deficiency and review courses accordingly.</li> <li>• Incorporate AIC Exam Modules into all courses.</li> <li>• Construction Math Class has been developed and is being taught.</li> </ul>