

Online Assessment Tracking Database

Sam Houston State University (SHSU)
2014 - 2015

Industrial Technology BS (Construction Management)

Goal **Develop Knowledge And Safety Skills** 🔑
Students will develop knowledge and safety skills relevant to Construction Management.

Objective (L) **Development Of Students' Knowledge And Skill** 🔑
Students will be able to demonstrate competency in key areas of Construction Management by successfully demonstrating skills in an Estimation Course. The Estimation Course serves as a capstone requirement with required skills in construction math, material pricing, bid tabulation, and project scheduling.

Indicator **ITEC 4369 Cost Estimation** 🔑
All students enrolled in the program must complete an estimation class ITEC 4369. The course addresses key concepts and skills relevant to project cost estimation relative to the field of Construction and Construction Management. Students will be expected to achieve a 2 or higher on a scale of 0-4, with 0=incompetent, 1=marginal competency, 2=proficient, 3=accomplished, 4=mastered. 70% of the evaluated students will score a 2 or higher.






Criterion **Accomplished Skills** 🔑
There is a consensus that at least 80% of the students will make a 2 or higher.

Finding **Estimation Outcome** 🔑
Average score for the assessed students was a 2.5, thus, indicating proficiency. No student scored below a 2.0, however, as a whole the lowest assessed area was bid tabulation. All students showed mastery of project scheduling.

Action **Improvement** 🔑
Due to computer software issues, students were limited on computation sections of bids and bid estimation. This issue forced hand computations and created limitations.

Goal **Develop Professional Skills** 🔑
Students will gain necessary work force experience to compete in the construction field.

Objective (L) **Demonstrate Professional Skills** 🔑
Students completing the BS in Construction Management will demonstrate skills necessary to compete in the professional marketplace through an internship.

Indicator	ITEC 4391 Internship Evaluation   All students enrolled in the program must complete ITEC 4391 in their final year of enrollment. ITEC 4391 addresses key concepts and skills, as well as practical demonstrations of competency relevant to the field of construction management. Each semester interns will be evaluated by their internship supervisor and by their faculty supervisor on a faculty-developed rating scale.
Criterion	80% Meeting Expectations  It will be expected that at least 80% of the students enrolled in ITEC 4391 demonstrated will achieve above average standard (4 or higher) of performance on the supervisor rating scale.
Finding	Internship Performance  All students successfully completed their internship with assessed skill levels from the supervisor of 4 or 5. According to the supervisor, the interns were professional with exceptional work ethics and knowledge of construction project management. Skill levels met or exceeded the expectations of the job requirement. Surveying skills was an area that few supervisors would like to see included in the curriculum.
Action	Improvement For Construction Outcomes  Survey course will be included in curriculum if faculty is identified to teach concepts.

Previous Cycle's "Plan for Continuous Improvement"

More time and simulations will be used to increase student performance in Health and Fall Hazards in construction areas.

Please detail the elements of your previous "Plan for Continuous Improvement" that were implemented. If elements were not implemented please explain why, along with any contextual challenges you may have faced that prevented their implementation.

Capstone course was redirected to Estimation.

Plan for Continuous Improvement - Please detail your plan for improvement that you have developed based on what you learned from your 2014 - 2015 Cycle Findings.

Software issues are resolved and faculty is being identified to teach Surveying.