

Course Assessment Summary
COE 308 Computer Architecture (3-0-3)
Term 062

Course Learning Outcomes

1. Ability to apply knowledge of mathematics, probability, and statistics in computer analysis and design.
2. Ability to design the datapath and control of a processor.
3. Ability to identify, formulate, and solve computer architecture problems.
4. Ability to use simulator tools.
5. Ability to engage in self-learning.

Section#	Source of Outcome Data	Outcome1	Outcome2	Outcome3	Outcome4	Outcome5
1	Instructor Evaluation	72.01%	72.3%	80.33%	85.6%	85.75%
	Student Survey	87%	87%	76.25%	87%	91.75%
3	Instructor Evaluation	74.94%	83.41%	69.8%	66.86%	80.56%
	Student Survey	100%	81.25%	68.75%	75%	87.5%
4	Instructor Evaluation	72.8%	73.63%	62%	76.66%	89%
	Student Survey	77.94%	77.94%	70.6%	83.82%	86.76%
Overall	Assessment Rating	Achieved	Achieved	Needs Improvement	Achieved	Achieved

Observations:

1. It is indicated by instructor of section1 that achievement of outcome 4 has been significantly improved compared to 061 assessments due to implementation of suggested recommendations.
2. Weight for outcome 5 did not meet minimum requirements for Section 3.
3. Number of students who filled the indirect assessment survey for section 3 is very low (4 out of 26).
4. Instructor of section 3 recommends adding teamwork as a course outcome.
5. The instructor of section 4 indicates that outcome 4 needs improvement.
6. Both instructors of section & 4 think that outcome indicators for Outcome3 need more clarification.

Recommendations:

1. Outcome 5 needs to be better addressed by increasing the self-learning aspects in the course. Instructors need to agree on which portions of the course could be used for this purpose.
2. Consider adding teamwork as a course outcome.
3. Clarify outcome indicators for outcome 3.
4. Continue using course project as this has improved the use of tools outcome and also enhanced students' understanding of concepts.