

Course Assessment Summary
COE 341 Data and Computer Communications (3-0-3)
Term 062

Course Learning Outcomes

1. Ability to apply knowledge of mathematics to understand basic concepts in communication engineering.
2. Ability to design basic communication systems, components, and algorithms.
3. Ability to identify, formulate, analyze, and solve basic communication engineering problems.
4. Ability to use programming tools and skills for the simulation, analysis, and design of basic communication systems and components.
5. Ability to demonstrate self learning skills and aptitudes.

Section#	Source of Outcome Data	Outcome1	Outcome2	Outcome3	Outcome4	Outcome5
2	Instructor Evaluation	62.7%	79.4%	76.5%	72.9%	81.9%
	Student Survey	80.5%	75%	80.5%	77.75%	72.25%
3	Instructor Evaluation	80.2%	71.3%	68.8%	80%	68%
	Student Survey	87.5%	82.5%	90%	80%	90%
Overall	Assessment Rating	Needs Improvement	Achieved	Needs Improvement	Achieved	Achieved

Observations:

1. Minimum weight requirement is not met for Outcome 2 for section 2.
2. Minimum weight requirement is not met for Outcome 4 for section 3.
3. Use of Term Paper and programming assignments were successful in motivating students for self learning, team work and enhancing their writing and presentation skills.
4. In comparison with Term 061 assessment, Outcomes 1 and 4 have been improved using some of the suggested correction measures.

Recommendations:

1. Increase Outcome 2 & Outcome 4 weight by giving more assignments towards this outcome.
2. Outcome 1 can be improved by including additional examples and additional group-based assignments.