

Course Assessment Summary

COE 485 Senior Design Project (1-6-3)

Term 062

Course Learning Outcomes

1. Ability to apply knowledge of mathematics, science, and engineering.
2. Ability to design and conduct experiments, as well as to analyze and interpret data.
3. Ability to design a system, component, or process to meet desired needs.
4. Ability to identify, formulate, and solve engineering problems.
5. Understanding of professional and ethical responsibility.
6. Ability to communicate effectively.
7. The broad education necessary to understand the impact of engineering solutions in a global and societal context
8. Recognition of the need for, and an ability to engage in life-long learning.
9. Knowledge of contemporary issues.
10. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
11. Ability to function as an effective team member.

Sec#	Source of Outcome Data	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11
1	Instructor Evaluation	92%	95%	100%	92%	95%	95%	95%	97%	92%	100%	98%
	Student Survey											
2	Instructor Evaluation	90%	94.1%	100%	91.7%	96%	91.69%	100%	98.6%	93%	100%	93.4%
	Student Survey	81.25%	87.5%	75%	87.5%	62.5%	56.25%	43.75%	68.75%	56.25%	81.25%	50%
Overall	Assessment Rating	Ach.	Ach.	Ach.	Ach.	Ach.	Achieved	Needs Improv.	Ach.	Ach.	Ach.	Needs Improv.

Observations:

1. Instructor of section 2 thinks that all outcomes have been achieved.
2. Students of section 2 felt that outcome 7 has not been fully achieved.
3. Students had mixed feelings about their team work experience.

Recommendations:

1. Coverage of Outcomes 7 & 11 need to be improved.