SLO 1: Develop and specify appropriate physical or system models
For a chosen problem, develop and specify appropriate physical or system models.

Related Measures

M 1: Thesis
Thesis evaluated by rubric
Source of Evidence: Senior thesis or culminating major project
Target: 80% of students will score 3 or higher on related rubric components.

M 2: Research paper
Research paper graded by rubric
Source of Evidence: Written assignment(s), usually scored by a rubric
Target: 80% of students will score 3 or higher on related rubric components.

SLO 2: Design and conduct experiment, analyze and explain data
Specify or design an experiment to meet a need, conduct the experiment, analyze and explain the resulting data.

Related Measures

M 1: Thesis
Thesis evaluated by rubric
Source of Evidence: Senior thesis or culminating major project
Target: 80% of students will score 3 or higher on related rubric components.

M 2: Research paper
Research paper graded by rubric
Source of Evidence: Written assignment(s), usually scored by a rubric
Target: 80% of students will score 3 or higher on related rubric components.

SLO 3: Solve complex engineering problems
Identify, formulate, and solve complex engineering problems (physical or system models) by selecting and applying appropriate mathematical/computational tools and techniques

Related Measures

M 1: Thesis
Thesis evaluated by rubric
Source of Evidence: Senior thesis or culminating major project
Target: 80% of students will score 3 or higher on related rubric components.

M 2: Research paper
Research paper graded by rubric
Source of Evidence: Written assignment(s), usually scored by a rubric
Target: 80% of students will score 3 or higher on related rubric components.

SLO 4: Synthesize advanced technical knowledge
Synthesize advanced technical knowledge in a traditional or emerging area of: Civil and Environment Engineering, Electrical Engineering, Mechanical Engineering, Naval Architecture and Marine Engineering

Related Measures

M 1: Thesis
Thesis evaluated by rubric
Source of Evidence: Senior thesis or culminating major project
Target: 80% of students will score 3 or higher on related rubric components.

M 2: Research paper
Research paper graded by rubric
Source of Evidence: Written assignment(s), usually scored by a rubric
Target:
80% of students will score 3 or higher on related rubric components.