Student Learning Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Understanding of theoretical views and computational/experimental methods
Students are expected to exhibit a graduate-level understanding of basic theoretical views and computational/experimental methods in engineering and applied sciences, as well as advanced expertise within their chosen specialty.

Related Measures

M 1: Qualifying or General Examination Rubric
Qualifying or General Examination Rubric
Source of Evidence: Academic direct measure of learning - other

SLO 2: Conduct an independent research program
Students are expected to demonstrate the ability to conduct an independent research program. This may involve designing and running experiments or conducting computational analyses, analyzing and interpreting data, and presenting the findings in writing in the context of the existing literature in the field.

Related Measures

M 2: Dissertation Rubric
Dissertation Rubric completed by committee members at PhD Defense
Source of Evidence: Academic direct measure of learning - other

SLO 3: Appraise, analyze and assess advanced topics
Students will be able to appraise, analyze and assess advanced topics in their specific discipline via oral communication.

Related Measures

M 3: Dissertation Defense Rubric
Rubric used during Seminar associated with Dissertation Defense
Source of Evidence: Academic direct measure of learning - other