

Year Year 2

1. Identify the PLO your program assessed this academic year

1). An ability to apply knowledge of mathematics, science, and engineering.(PHYSICS 140, 141, Engr/Phys 150)

2. Identify the artifact(s) (i.e. student work) that you used to assess the PLO.

[Papers, presentations, portfolios, test items, specific assignments, capstone

Rubrics-instructor exams-Physics 140 testsPhysics 141 testsEngr/Phys 150 micromouse capstone project and final exam

3. Identify the tools (e.g. rubrics, surveys, performance on standardized test questions) used to assess the artifact(s) (i.e. student work

Rubrics-instructor exams

4. Explain the results of the assessment activities

Physics 140 : A 61.54% of the class performed average or abovePhysics 141 : A 52.5% of the class performed average or aboveEngr/phys 150 97% of students earned an acceptable, good, or excellent rating, meeting the benchmark of a minimum of 80% of students

5.Where applicable, outline the steps you will take to make improvements to the program based on the results of assessment activities identified in #3.

Physics 140 Students need more background re: apparent that students have no enough background in vectors and have difficulties performing operations between themPhysics 141 Students are under prepared in integral calculusEngr/phys 150 - Smaller proport

6. Are there any new resources needed to make program improvements? If so, please include the resources and provide justification for each in the Budget section of the Annual Report.

Physics 140/141 - change the book

Year

1. Identify the PLO your program assessed this academic year

4).An ability to communicate effectively. Engr 263 , Engr 254

2. Identify the artifact(s) (i.e. student work) that you used to assess the PLO.

[Papers, presentations, portfolios, test items, specific assignments, capstone

Performance on standardized test questions-homework-Homework projects

3. Identify the tools (e.g. rubrics, surveys, performance on standardized test questions) used to assess the artifact(s) (i.e. student work

Performance on standardized test questions-homework

4. Explain the results of the assessment activities

Engr 253:Direct assessment indicated 90% performance at the acceptable, good or excellent levelsIndirect assessment indicated 100% performanceEngr 254:Direct assessment indicated 94% performance at the acceptable, good or excellent levelsIndirect assessment indicated 100% performance

5.Where applicable, outline the steps you will take to make improvements to the program based on the results of assessment activities identified in #3.

none

6. Are there any new resources needed to make program improvements? If so, please include the resources and provide justification for each in the Budget section of the Annual Report.

computers need to be updated