Program Level Outcome (PLO) Assessment Report Summary

Program Level Outcomes for Mathematics (AS):

Upon successful completion of the Mathematics Associate’s Degree program, a student should be able to:

- demonstrate proficiency in solving mathematical problems involving major concepts, theories, and principles including, but not limited to
  - applying derivatives and integrals
  - solving 2nd order differential equations
  - constructing basic mathematical proofs
  - analyze data using appropriate technology to enhance mathematical understanding.

What we looked at: Math 5: Student is able to solve 2nd order differential equation, with forcing function, using Power Series.

What we found: This question was on the final exam for the only section of Math 5 in Spring 2012. Out of 25 students taking the final, 21 had this question correct or substantially correct. This suggests our students are well prepared for upper division mathematics courses.

What our next steps are: This is an excellent result. We need to continue with the same course of study.