Departmental Evaluation Questions (DEAs)  
Faculty Information Sheet

This document is intended to familiarize faculty with the Department Evaluation Questions (DEQs). DEQs provide the students exposure to writing technical explanations and reflecting on major chemical engineering concepts.

**Policy:** An important component of the CHEN3AA0 Concept Inventory Exam is the ability to write technical explanations of important chemical engineering concepts. In the past, this was the area of testing requiring the most improvement. It can be argued that in the “classical classroom and testing setting,” students are rarely asked to demonstrate technical knowledge except via the traditional “plug and chug” use of standard equations. As part of the ABET written communications proficiency requirement, students should feel comfortable recalling and explaining basic chemical engineering concepts to another technically informed individual. This is an important workplace skill.

In order to provide exposure and practice to this question type, the department has implemented the requirement that all standard lecture courses offer at least 2 (preferably 3 or more) opportunities during the term to ask quiz or exam questions of this type.

Furthermore, information from this activity will allow the department to identify subject matter and content needing additional coverage or a different approach to its instruction.