

Outcomes Assessment: Interim Design Report

The senior design projects are typically completed over the course of two semesters. Seniors in CHBE 411 are required to submit a report at the end of the first semester. These reports should have a reasonably well-developed design; the economic analysis of the design is conducted in the second semester.

We are including the project in the student portfolio to provide assessment data relevant to program outcomes **c** and **h**.

- **c** ...*an ability to design a system, component, or process to meet desired needs.*
- **h** ...*the broad education necessary to understand the impact of engineering solutions in a global and societal context.*

This instructor and the advisory committee are being asked to independently assess these projects. This allows us to document the extent to which we are meeting these objectives, and allow the instructor to compare his assessment with an external reference.

Process

There are 3 group project reports. You are each asked to be primary reviewer on one, and discuss a second with another primary reviewer.

After assessing your first report, swap with another reviewer and point out the pros and cons of the report; this will allow us to have a second reviewer's input on the same report. It is not essential that all of the projects are reviewed.

After reviewing two reports there will be time for discussion; then the committee will be asked:

1. To what extent are we meeting outcomes **c** and **h**, based on the evidence in the projects?
2. How useful are the reports in assessing outcomes **c** and **h**?
3. How useful are the assessment rubrics in performing the assessment?