

## Assessment Summary from the 2012 ABET Faculty Review Meeting

May 7, 2013

Faculty in attendance: Heys, Richards, Gerlach, Seymour, Carlson, Peyton, Wettstein, Gannon, and Brown

### Input Assessment

- 1) EGEN 102:
  - a) Shifting focus more to Matlab
  - b) Trying the online class option
  - c) no major concerns, but faculty encouraged more focus on Matlab because Mathcad is not used in later courses
  
- 2) ECHM 100
  - a) no concerns noted
  
- 3) ECHM 215
  - a) continued discussion on combining 215 and 216
  - b) no concerns noted
  
- 4) ECHM 216
  - a) uses HYSYS for Outcome K
  - b) should remove secondary Outcome H
  - c) no concerns noted
  
- 5) ECHM 321
  - a) talked about offering the course twice per year
  - b) no concerns
  
- 6) ECHM 323
  - a) few changes from previous instructor
  - b) used iClickers and concept tests and used group work
  - c) no concerns noted
  
- 7) ECHM 307
  - a) no concerns

## Outcomes (Summative) Assessment

The following outcomes were assessed this year using the listed samples of student work.

- 1) EBIO 439 Project (Outcomes A and E – knowledge of math, engineering and science; ability to formulate and solve engineering problems)
  - a) Outcome A: average score was 2.25 (acceptable)
  - b) Outcome E: average score was 2.33 (acceptable)\*\* Faculty noted that this project may not be the best option for evaluating Outcomes A and E for the biological engineering program.
  
- 2) ECHM 424 Transport modeling project (Outcomes A and E – knowledge of math, engineering and science; ability to formulate and solve engineering problems)
  - a) Outcome A: average score was 2.1 (acceptable)
  - b) Outcome E: average score was 2.0 (acceptable)
  
- 3) EBIO 438 Contemporary issues project (Outcomes I and J – life-long learning and knowledge of contemporary issues)
  - a) Outcome I: average score was 1.8 (marginal to acceptable)
  - b) Outcome J: average score was 2.2 (acceptable)

## Mission Statement\*

The Department of Chemical and Biological will serve the State of Montana by promoting learning, discovery and engagement to meet the mission of Montana State University and the College of Engineering. We will be recognized by colleagues in industry and other institutions as having excellent undergraduate and graduate programs in defined areas of specialization.

\*This is the final mission statement approved after review by the faculty, alumni, students, employers, and advisory board.