Susan Schrader – Petroleum Engineering ABET Coordinator

ABET has changed requirements – A🡪K are out

PE does not assign all outcomes to each class

Don’t assess all the requirements every semester

Broken into 1/3

One semester to collect data, one to analyze the data, one to implement any changes

Currently using excel to track everything

May change Assessment method if A->K are really out

Use 3 performance indicators per outcome for assessment

ABET suggests using 2-3

Use outside examples and other faculty to decide on the performance indicators used for each outcome/class

Method of assessment:

Rate the number of students in the class on each performance indicator for the outcomes assigned to that class

Each student can be unsatisfactory, satisfactory, or exceptional

Outcomes are only judged based on classes that are required by the degree program

Faculty (outside of ABET coordinator) –

* able to give number of students that are unsatisfactory, satisfactory, and exceptional
* can see info on other classes
* not able to change information

ABET coordinator –

* maintain Assessments
* assign outcomes to courses
* Able to change courses from required -> elective

Changes to performance indicators and other information is mostly driven by outside forces

Ie new instructors

Data kept for minimum 6 years

F.E. exam is not required or used by PE

Heavy NW and ABET crossover

Reports:

* # of students for
* Percentage of students for each outcome that are -
  + Unsatisfactory
  + Satisfactory
  + Exceptional
* Weighted by number of students
* Not specific to a student
* A way (timeline?) to track changes to outcomes/courses
* Auto sum students per outcome

Info is shared by email currently

Wants:

* Track info on performance indicators per outcome
  + Changes
  + Evaluations over time
* Automatic email or list sent to ABET coordinator of Professor’s that have/need to input assessment information
* No connection to students
* Window to enter information

Currently all required classes for PE are offered every semester

Beverly Hill and Paige – Graduate Program

Program Review – Graduation Program

Already Track the enrollment and completion rate of students

Stuff they want to track:

* External Scholarships
  + Who’s giving the scholarship
  + Who’s receiving the scholarship
* Peer Reviewed papers
* Conference attendance/presentation
* TexPo participation
* Master’s Thesis
* Professional Society membership
  + Want actual Society membership, not just club membership
* Specialized Professional Training
  + Attendance or hosting
* Industry Advisory Board meeting participation
* Career Fair Attendance
* Career Services Support
* Grad School Orientation attendance
* Graduate Teacher’s Assistant or Research Assistant
* Other student jobs relevant to degree/program
* Number of studen’ts on Dean’s list per program or department per semester and at graduation
* Number of 5 year BS/MS

Things they admit would be better in a different project

* Currently nowhere Faculty can track Peer reviewed papers published
  + Currently a bibliography in the library, requires prof to submit them

Other considerations raised

How to get this information

List of things that they like students to do to get experience in their field of choice:

Research, Internship, URPs etc