

**Departmental and Program Assessment
Annual Assessment Plan Basic Update**

Academic Year: ____2012-2013_____

Academic Unit: ____Chemistry Department_____

Chair: ____Dr. Randall Kopper _____

Student Assessment Plan (SAP) – Basic Check-list

1. Have any changes been made to your program's student assessment plan or student learning goals? Your recent version should be on the web at <http://www.hendrix.edu/academics/academics.aspx?id=7264>. If you have made changes, then attach a copy of the new plan or goals.

☐ yes ☒ no

2. Are student learning goals available to students on the web on the departmental/programmatic page(s)? If not, then this will be considered as an action plan for the coming year.

☒ yes ☐ no

3. Are student learning goals, appropriate for each course, included in the course syllabi in your department or program? If not, then this will be considered as an action plan for the coming year.

☒ yes ☐ no

Student Assessment Plan Development - Departments and programs who have a complete and current SAP should consider the next step in SAP development.

1. As a next step in SAP development, departments/programs are encouraged begin working on an assessment audit to determine how student learning goals fit across the courses in the major. Sometimes the term "scaffolding" is used to describe this process. This could be as complicated as a full grid of student learning goals, or a single learning goal, across the courses in the major. (This has not been required of departments, but it is a recommended next step when the SAP is up to date.) Has your program already done this?

☒ yes ☐ no *If yes, please provide any **new** results in either in prose or as a table. If no, then this could be the next annual action plan for your program.*

We have updated our Assessment Audit as new faculty and new courses have made some significant changes.
(submitted on new version of SAP)

Yearly Assessment Report – each department or program is expected to have assessment discussions for at least two hours each academic year. If necessary, help is available from David Sutherland, just call.

1. What was your planned action item identified in your last report?
We have working through the Duck exam. We intended to evaluate the DUCK exam by sub-discipline and see whether we can extract meaningful sub-disciplinary data.
2. Briefly summarize the topics discussed in your annual assessment meeting.
We met on May 8. Unexpectedly, we discovered that the Assessment Audit needed an update. We discussed weaknesses and made changes (see attached as part of the new SAP file)

Our focus in the last year has been the senior capstone exam. We have affirmed our desire for the exam and that it should be the Diagnostic of Undergraduate Chemical Knowledge (DUCK). However we are unhappy with the coverage of biochemistry on the 2010 version of the exam. The new 2013 exam seems to have better coverage.

3. What was the conclusion of your assessment discussion and how did the collected assessment data inform your conclusion? Specifically describe any curricular or programmatic changes that have been made that were based, at least in part, on the data in your SAP.

The conclusion of our assessment is a new Assessment Audit and a change in the capstone exam. We are in the process of vetting the new 2013 DUCK exam. This is our 2012-2013 assessment work, but will have to continue into the summer.

- a. Test the value of each question – in the old exam we found some questions wherein our local experts did not agree with the answers.
 - b. Assign each question to a sub-discipline (some get a secondary category as well)
 - c. Check sub-discipline coverage
4. Define one new action item for your assessment discussions next year.
 - a. Finish assessment of 2013 DUCK and we expect to implement it if all goes as planned.
 - b. Create a spreadsheet to create sub-disciplinary sub-scores for students.
 - c. Complete a departmental review.