

Chemistry 100 Faculty Discipline Meeting Summary

November 29, 2012, 9:30 – 2:00

Bachman Hall, Room 113

Present: Harry David (KAP), Philip Williams (MAN), Michael Reese (LEE), Michael Hannwald (KAU), Bernhard Laurich (HAW), Ernie Kho (HIL), Sean Calder (MAU), Joseph Bariyanga (WOA), Brent Rubio (HON), Joanne Itano and Susan Nishida (System)

Website: www.hawaii.edu/offices/app/aa/chemistry.html

Update to Lower Division CHEM Courses at the Campuses

MAN: CHEM 151/151L is tentatively discontinued (effective Fall 2012), but will remain on the books. CHEM 131 Prep for General Chemistry (reviews four chapters and math) was offered for the first time in Fall 2012, and designed to assist students who need to take CHEM 161 but did not pass the placement exam. It is not DP designated. CHEM 100 will continue to be offered each semester and by Outreach College in the summer. CHEM 161 (reviews chapters 3-12; other campuses review chapters 1-10) will continue to be offered. Students may earn credit for one: CHEM 100, 131, 151, 161, 171 or 181.

HIL: offers CHEM 111/111L (100/100L), CHEM 114, CHEM 124/124L (161/161L) and CHEM 125/125L (162/162L).

WOA: offers CHEM 100/100L and is teaching CHEM 161/161L for the first time this semester. Plans to teach CHEM 162/162L in the spring semester. Currently does not offer CHEM 151/152.

KAP: offers CHEM 100, CHEM 161/161L and CHEM 162/162L. CHEM 151/151L and CHEM 152/152L are no longer being taught at KAP and there are currently no plans to create a CHEM 131 course. Nursing is a large group of students interested in enrolling in CHEM 100 (KAP nursing program does not require chemistry as a prerequisite).

HON: offers CHEM 100/100L as well as CHEM 105 for OESM and FIRE majors (equivalent to 100/100L), CHEM 151/151L, CHEM 152/152L, CHEM 161/161L and CHEM 162/162L.

HAW: offers CHEM 100/100L, CHEM 151/151L, CHEM 161/161L and CHEM 162/162L

LEE: offers CHEM 100B (100/100L), CHEM 151B (151/151L), CHEM 152B (152/152L), CHEM 161B (161/161L) and CHEM 162B (162/162L).

MAU/KAU: does not offer CHEM 100, but offers CHEM 151/151L, CHEM 161/161L and CHEM 162/162L.

CHEM 100

General agreement from the group that CHEM 100 should be more conceptual to address non-science students (fulfills a general education requirement), light on mathematics and creates

good citizens with critical thinking skills. KAP has a large nursing student population and since they do not teach CHEM 151, they include more quantitative work in their CHEM 100. The faculty agree they are at least 75% similar in content for CHEM 100. They also agree that a course like BIOC 241 would be more beneficial to nursing students. Harry Davis will continue conversations with nursing to emphasize that BIOC 241 is might be more beneficial to nursing students than CHEM 100. Philip Williams would be happy to work with nursing to create a nursing-specific chemistry course, if desired by nursing.

Common Course Numbering

The group agrees and supports the need for common course numbering across the UH System to assist students. While the prerequisites for CHEM 100 vary slightly, it is viewed as acceptable due to the different needs of the campus (four-year campuses have entrance requirements, etc.). The group did not want to discuss alignment of student learning outcomes or specific course content. The following changes were agreed upon and each faculty member will need to return to their campus to implement the changes through their curriculum process.

Alpha/Number: CHEM 100/100L (HIL and LEE will change)

Title: Chemistry and Society and Chemistry and Society Lab (HIL, HAW, KAP, LEE, WIN will change)

Course description: all campuses offering CHEM 100/111 will change the first two sentences of their course description to say (campuses may add to the course description, if desired):

Introduction to chemistry for non-science majors. Discussion of basic chemistry concepts and their application to everyday life.

All changes should be effective Fall 2014.

Equivalencies: all campuses currently offering CHEM 100/111 will deem the course equivalent to their CHEM 100/111 (beyond a generic DP or DY designation).

Other Courses

CHEM 152 is not being offered on any campuses (when offered, it doesn't generate enough interest), but is still on the books.

HIL will discuss possibly changing CHEM 124/124L and 125/125L to come into alignment with the other campuses (CHEM 161/161L and 162/162L).

LEE will work on decoupling CHEM 151B (CHEM 151/151L), CHEM 152B (CHEM 152/152L), CHEM 161B (CHEM 161/161L) and CHEM 162 (CHEM 162/162L).

BIOC 241 offered at HAW, HON, KAP, LEE, MAN, MAU and WOA should be a 100-level course. Agreement by campuses that they will renumber it to BIOC 141 effective Fall 2014.

BIOC 251 is not being taught and will more than likely go away.