

Agenda For Chemistry Forum
November 29, 2012
Bachman 113, 9:30 – 2:00

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Course Syllabi: www.hawaii.edu/offices/app/aa/chemistry.html

Lunch: on our own, choices are: Campus Center, Bale, Starbucks/Jamba Juice, Subway, Manoa Gardens, Taco Bell/Pizzahut

1. Welcome and Introductions

2. Why this forum is being held

Changes in offerings at UHM

Changes in how programs are using chemistry courses

Large differences in how Chem 100 is being taught

Students and programs expect course articulation throughout the system

3. Chemistry 100

Role of Chem 100 ? Meets DP for non-science majors, pre-requisite for nursing at UHM

To satisfy the **Physical Science (DP)** requirement, at least two thirds of a course

- uses the terminology of the physical sciences;
- involves knowledge and theories relating to processes in the physical sciences;
- demonstrates inquiry that involves observation/experiment and reasoning and mathematics.

Who are our students ? liberal arts and pre-nursing

What do the liberal arts students need ? Simply the credit, no work just give me an A

What do the pre-nursing students need ? Math 100, and everything to get them ready other science courses including 1 year of Anatomy and Physiology and labs (PHYL 141-142), Microbiology 130 and lab, and the NLN-PAX exam. After the BSN, graduates must pass the NCLEX-RN exam to become an RN.

What is a high school course ? Introduces students to various subjects, various depths.

Please see the chemistry Topics survey taken by a high school chemistry teacher

What is a college course ? Interprets knowledge gained from high school courses

What do we teach ? Results of the survey "Topics Covered in Chem 100"

What can we agree on ?

Common course alpha, number, title, credits, designation

Common description and SLOs

Common pre-requisite

Common level of difficulty

Common course content (within standards of academic freedom)

Do we need two courses, one without a pre-requisite, one with a math pre-requisite ?

4. Chem 100L – OK for some campuses to offer and others not ?

5. Chemistry 151 (same level of difficulty as Biochem 241)

Status Inactive at UHM and KapCC, no longer required for nursing

Future Needs a program to adopt it in order to survive

Chemistry 152 (same level of difficulty as Biochem 341)

Status Inactive at UHM and KapCC, no longer required by nursing

Future Needs a program to adopt it in order to survive

6. Biochemistry 241

Status Required by UHM Dental Hygiene, but not nursing

Future Needs a program to adopt it in order to survive

Biochemistry 341

Status No longer required by nursing

Future Needs a program to adopt it in order to survive