Concurrent Enrollment Assessment Plan
Includes Faculty Development Academic Year 2007-2008

- Course Prefix, Number and Title: CHEM 211, General Chemistry I

- Place of in WSU General Education Program: General education introductory course.

- Course Description: (Five credit hours, lecture and lab) CHEM 211 offers students an introduction to the general concepts of chemistry. The course includes chemical stoichiometry, atomic and molecular structure, bonding, gas laws, states of matter and chemical periodicity. CHEM 211 and 212 meet the needs of students who may wish to take more than one course in chemistry. Prerequisites include a college-level chemistry course such as CHEM 110, 101, or 103, or high school chemistry or physics; and concurrent enrollment in MATH 111 or two units of high school algebra or MATH 011.

- Course Objective(s): Upon completion of the course, students will know principles and applications of first semester general chemistry.

- How will the Course Objective(s) be measured/validated? A nationally standardized American Chemical Society final exam is given.

- What guides expectation for satisfactory performance? ACS national normed exam results will be used to determine satisfactory performance levels.

- What is the decision point for students to exceed, meet, or not meet expectations? A raw score equivalent to the national norm (42) or 10 points above or below the norm meets expectations; more than 10 points below the national norm does not; more than 10 points above the norm exceeds expectations.

- What process will the department use to score the assessments and make decisions about the results? Exams are scored via the WSU Social Science Research Lab and results are forwarded to the Chemistry Department Undergraduate Senior Administrative Assistant for filing. The results will be compared to those of WSU faculty members for the same course and examined at one of the Department's faculty meetings.

- Faculty development for concurrent enrollment teachers may be collaboration with WSU faculty to implement assessment plan.

Concurrent Enrollment Assessment Plan
Includes Faculty Development Academic Year 2007-2008

- Course Prefix, Number and Title: CHEM 212, General Chemistry II

- Place of in WSU General Education Program: General education further study course.

- Course Description: (Five credit hours, lecture and lab) CHEM 212 is a continuation of CHEM 211. It includes thermodynamics, gaseous and ionic equilibria, kinetics, nuclear chemistry, electrochemistry, qualitative analysis, and an introduction to theories of bonding. The prerequisite for this course is CHEM 211 with a grade of "C" or better.

- Course Objective(s): Upon completion of the course, students will know principles and applications of second semester general chemistry.

- How will the Course Objective(s) be measured/validated? A nationally standardized American Chemical Society final exam is given.

- What guides expectation for satisfactory performance? ACS national normed exam results will be used to determine satisfactory performance levels.

- What is the decision point for students to exceed, meet, or not meet expectations? A raw score equivalent to the national norm (40) or 10 points above or below the norm meets expectations; more than 10 points below the national norm does not; more than 10 points above the norm exceeds expectations. (Note: The previous national norm of 41 was temporary and based on data from select universities. ACS updated and finalized the norm this year.)

- What process will the department use to score the assessments and make decisions about the results? Exams are scored via the WSU Social Science Research Lab and results are forwarded to the Chemistry Department Undergraduate Senior Administrative Assistant for filing. The results will be compared to those of WSU faculty members for the same course and examined at one of the Department's faculty meetings.

- Faculty development for concurrent enrollment teachers may be collaboration with WSU faculty to implement assessment plan.

LAS UNDERGRADUATE ASSESMENT AND PROGRAM REVIEW - CONCURRENT ENROLLMENT

Department of Chemistry **Academic Year 2008**

CHEM 211- General Chemistry I. Students will know principles and applications of first semester general chemistry.	American Chemical Society examination given at end of semester. ACS First - Term General Chemistry 2002 examination.	Performance on nationally normed exam.	Students should fall in the ± 10 range of the national norm, or above.	**Fall 2007**: Out of 18 ***Collegiate HS*** students 72.2% scored in range of ± 10 of the national norm; 22.2% above and 5.6 below. **Spring 2007:** Out of 1 ***Derby HS*** student, 100% was in range. ***Goddard High School*** did not participate in the program.	Dr. Rillema analyzed all scores for the 2007-2008 academic year 7/3/08.	Collegiate: Satisfactory Derby: Satisfactory Goddard: N/A	Information will be shared annually with the appropriate subdivision. Monitor exam results annually.
CHEM 212- General Chemistry II. Students will know principles and applications of second semester general chemistry.	American Chemical Society examination given at end of semester. ACS Second - Term General Chemistry 2002 examination.	Performance on nationally normed exam.	Students should fall in the ± 10 range of the national norm, or above.	**Spring 2008**: Out of 16 ***Collegiate HS*** students 56.25% scored in range of ± 10 of the national norm; 43.75% above and 0% below.	Dr. Rillema analyzed all scores for the 2007-2008 academic year 7/3/08.	Collegiate: Very Good	Information will be shared annually with the appropriate subdivision. Monitor exam results annually.