**Section 6. Overlap Courses**

Introductory Chemistry 3(CH 106) will have approximately 10% overlap of course materials with Chemistry for Health Occupations (CH 112). This overlap is due to the fact that both courses will cover topics like carbohydrates, proteins and lipids. However, the amount and depth of coverage between these two courses is wildly different.

The proposed Introductory Chemistry 2 (CH 106) course is designed for non-major students seeking a transfer degree. It is meant for students who already have a background in introductory level chemistry (either CH 104 or strong, recent high school chemistry). This course focuses on the properties and reactions of the main biomolecules with a focus on metabolism. The main goals are to introduce students to the lab techniques used to answer important questions about these molecules and get them to think critically (analyze diet fads, metabolic disorders, nutritional deficiencies, etc) about each biomolecule family.

On the other hand, CH 112 is a very fast paced course designed for students entering allied health professions. It is meant for students with no previous chemistry experience and has no lab component. The course begins by addressing the atomic nature of matter and ends with metabolic respiration. The goal of the course is to introduce students to chemical principles that help inform the cellular and physiological processes they see in future classes. Due to the pacing of the course, there is little depth and the focus is getting the students exposure to a breadth of topics while developing analytical thinking skills.

In summary, these two courses are designed for different audiences, serve a different purpose and cover any overlapping topics at very different depths. For these reasons, many community colleges (e.g., Clackamas, Chemekata,) across Oregon offer both a course akin to CH 112 and one like CH 106.