

Chemistry

Contract	Term	Course	Contract Title	Contract Description
319057	Spring 2016	CHEM-3112	An Organic Chemistry Guide	This academic year for CHEM 3111 and CHEM 3112, Dr. James Schreck and I have agreed to create an honors contract that seeks to provide information to enhance student understanding of the many concepts centralized to organic chemistry. Indeed, this useful information is planned to be presented through the organized forms of analogies, connections, and demonstrations. For connections, we will review multiple literature articles (both print and electronic) discussing the chemistry utilizing many elements common to the average individual. Examples include, but are not limited to, the organic chemistry of contact lenses, our human blood, the aroma of coffee, and others. For demonstrations, individuals could watch virtual mechanisms take action in real time (on the internet or YouTube) while also watching instructor demonstrations to enhance understanding of mechanisms being studied. Finally, useful analogies for complex concepts such as resonance of organic molecules can be applied using a common biological analogy for student understanding. Ultimately, through this honors contract, I not only seek to aid my fellow organic chemistry peers, but I also wish to enhance my own perspective and understanding of how organic chemistry fundamentally applies to our world.
319045	Spring 2016	CHEM-4112	Michaelis-Menten Enzyme Kinetics	The contract will explore enzyme kinetics, with an emphasis on Michaelis-Menten kinetics. The project will include textbook research into the basics of the kinetics, followed by a literature review on the topic. Using SciFinder and Google Scholar, ten abstracts will be selected. From these abstracts, three peer-reviewed articles will be selected for the literature review. A report will be submitted.