

Chemistry

Contract #	Term	Course	Contract Title	Contract Description
273030	Spring 2015	CHEM-5555U	Critical Evaluation of a Peer Reviewed Article Related to Environmental Chemistry	A group of two students will critically evaluate a peer reviewed article related to environmental chemistry. Students can choose their own topic and title of the paper and must get the approval of the instructor by February 15, 2015. The paper must address an environmental chemical problem and should consist of methods of identification of the environmental problem, analysis of samples, source(s) of pollution and action taken for the remediation of the problem. The article that we chose to review is titled "Effectiveness of biostimulation through nutrient content on the bioremediation of phenanthrene contaminated soil"
276011	Spring 2015	CHEM-5555U	Investigation of Chemical Issues in the Environment - A Synopsis of Previous Literature	The objective of the contract is to find and summarize existing literature on a current and prominent issue occurring in the environment which is chemical in nature. In addition, the aim of the project will be to study methods of identification, analysis of samples, sources of the pollution, and actions that should be taken to remediate the problem.
260011	Spring 2015	CHEM-1212	Kitchen Chemistry	In using primarily kitchen utensils and tools, Dr. Dabke and I hope to establish new ways of performing chemistry lab experiments on common household items. We hope to make chemistry a house-hold friendly guest at the table by taking and carrying out chemistry procedures using kitchen and other house hold items to answer chemistry questions. But instead of having answered these questions in a lab at an institution, one can use the procedures we develop to use in their own homes.
259011	Spring 2015	CHEM-5105U	Thermal History and the Glass Transition	The purpose of this contract is to survey the literature and write a review on the effect a polymer's thermal history has on its glass transition temperature. Specifically detailed will be the effects of differing cooling and heating rates on the T _g of a polymer.