

**Dr. Elmer Mojica, Chemistry and Physical Sciences**  
**Analyzing Consumer Products in CHE 221 for Research Experience**

CHE 221 or Analytical Method and Techniques is a required course for majors (Chemistry, Biochemistry, and Forensic Science) in the Department of Chemistry and Physical Sciences. Most of the laboratory class experiments involved the use of traditional or classical methods (titration) and instrumental methods (pH meter, spectrometer, and HPLC). In this course, students can train themselves to gain hands-on experience in developing laboratory skills while performing the different experiments. Through the years, experiments have been modified to use everyday consumer products that are familiar to students. It is proposed that each student (with his/her partner) performed an additional experiment using or modifying one of the experiments performed during the semester to analyze consumer products to answer the question "How true are the products' label? It is expected that doing this kind of activity would generate interest in the students and, at the same time, engage them to do undergraduate research. They are expected to write a report about their results with the chance to present them in local scientific conferences and possibly published them in undergraduate-based journals.