Xada Londer & Cerrici Kingeloin.

INTERACTIVE PRELAB MODULES FOR SECOND YEAR ANALYTICAL CHEMISTRY LABORATORIES.

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The second year analytical chemistry laboratories consist of experiments covering topics in spectroscopy, separations and electroanalytical chemistry. The KUT 205 laboratory is taken by about 100 undergraduates majoring in Chemistry, Industrial Chemistry, Industrial Technology and Education (Chemistry) every semester. The KAT 243 laboratory is taken by about 45 undergraduates majoring in Analytical Chemistry every academic session. Interactive prelab modules have been developed for these two labs. Since these modules have also been placed on the university web server, the students can access these materials from their homes at their convenience. The objectives of these prelab modules are to prepare the students with the basic underlying principles of each experiment and to help them go through the main experimental procedures as well as the calculations involved. Problems such as misunderstanding of laboratory procedures in the laboratory manuals, unnecessary wastage of chemicals or errors in calculations could be overcome. The students' feedback on these modules will be presented.



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Abstract

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