

Brooklyn College
Department of Chemistry

Instrumental Analysis (Chemistry 42/790G)

Reports

Reports will generally consist of the following components:

Title. The name of the experiment. Include your name, partner(s) and the date.

Abstract. A brief summary (150-200 words) of the experiment performed. Give the code number and results for your unknown.

Introduction. State of objectives of your work in a concise, but complete, manner. A brief statement reviewing the status of that particular field is appropriate here.

Experimental. Equipment, chemicals, and procedures are described briefly.

Results and Discussion. Tables and Figures are presented here. They must be numerated, have meaningful titles, axes properly labeled, and all units and points clearly shown. Present a representative example to show how you obtain and derived or calculated result, but do not show all your computations.

The discussion should refer to the Tables and Figures. The results should be analyzed as to their precision and accuracy, and, whenever possible, compared with literature data.

References. List the full references cited in your report. Refer to an ACS journal for examples.

Copies of the ACS journal *Analytical Chemistry* can be found in the classroom and in the Chemistry Library. Study one of them to see how the components of a good report are typically presented. Reports will be graded on your presentation of results in addition to their accuracy. Neatness, punctuation, grammar, spelling are also important.