

## Brewery Project Planning Assignment

Due at the start of your lab section next week. You will briefly go over your answers with your AI at the start of the lab period.

- A. Write step by step instructions, including calculations, for how standards and samples will be prepared.
- B. What procedure will you use for measuring and reporting uncertainty in the measurements?

(Is there enough reagent to perform analysis in triplicate? Should I prepare the sample three different times or should I inject the sample 3 times on the HPLC? Should I use results from different groups for uncertainty?)

- C. Set goals for what you would like to accomplish in each week of the project.

Note: You will probably not get through the entire analysis in the first week. For example, if you are performing a separation, writing a method, injecting a medium to high concentration standard, and injecting one sample might be reasonable for week 1.

*Why do you want to take a look at one standard and one sample before simply putting all standards and samples on the autosampler to run?*