

**Chemical Engineering 310
Efflux Time from a Tank
Prelab Requirements**

The Efflux Time from a Tank Prelab meetings will be held with the P.I.C., Dr. Keffer, in Room 617 Dougherty.

Before meeting with the P.I.C. for the Prelab of the Efflux time from a Tank experiment, each member of the team should have:

1. Complete all of the relevant 14 Pre-lab requirements in the course hand-out distributed by Dr. Bruns.
2. Read the “Experimental Description” document available at <http://clausius.engr.utk.edu/che310/index.html>
3. Be able to tell the instructor how many runs will be conducted and which variables will be changed between runs. (This should be written down; one copy per team is sufficient.)
4. Be able to explain the differences between the four theoretical Cases described in the “Experimental Description” and how these differences will be accounted for in the MATLAB routines.
5. Read the “Plot Formatting for Research Reports” document available at <http://clausius.engr.utk.edu/che310/index.html>
6. Download the MATLAB routines from <http://clausius.engr.utk.edu/che310/index.html>
7. Be able to explain the basic operation of the MATLAB routines. (This could be written down.)
8. Read the “Tips for solving non-linear ODEs” page available at <http://clausius.engr.utk.edu/che310/index.html> (Bring questions if you have them.)