

Unit Operations Laboratory Purpose

The purpose of the unit operations laboratory is to provide students with introduction into the Chemical Engineering Laboratory and to give them some early experience with running experiments so they can gain more practical experience.

This lab was not designed to follow the CHEE 3462 lecture topics, but rather introduce students to common engineering problems and actual laboratory data collection and evaluation.

The lab is divided into two sections of 24 (or fewer) students. One section meets on Tuesdays and the other on Thursdays from 2:30 PM to 4:00 PM. Each section is divided into groups of 4 students and each group performs 4 experiments. Thus, each student will prepare 1 report during the semester.

There are a total of 3 lectures for each section (Tuesday – Thursday) at the beginning of the semester covering lab safety, equipment use, library instruction, and other pertinent topics. The Unit Operations Labs are spaced out through the semester so that they do not interfere with CHEE 4361 labs since the some of the same equipment is used in both labs.