CHEG4137W

Fall 2009

Overview
Overall Goals of the Course

► Get hands-on experience with big equipment
► See engineering theories in practice
► Practice technical communications
► Learn and practice organization
► Figure things out
Plan for this week

► Lectures, here today and Thursday

► Today: Organization, Signup, Safety, Tour

► Thursday: Data Analysis (Statistics, Kinetics), Writing
Organizational Tasks

► Introductions
► Web Site: http://www.engr.uconn.edu/~ewanders/CH EG237W.htm
► Course Manual
► Teams and Scheduling
► Due Dates and Planning
Safety

► Knowledge: know your system, chemicals and equipment
► Awareness
► Protective Equipment
► Planning: Think before acting
► Emergency Response
Professionalism

- Taking responsibility for your actions
- Thinking through consequences
Acting Like an Engineer

► Analyzing everything

► Thinking Quantitatively

  ▪ Every quantity can be described numerically
  ▪ Physical quantities, unless non-dimensional, have units
  ▪ Every measured number has some measure of uncertainty (sig figs if not Std. Dev.)