

## CH402 CHEMICAL ENGINEERING PROCESS DESIGN

### **Lesson 9:** Heat Exchanger Design I

**Read:** Pages 694-724

**Problems:** 14-15 (Problem Set 5)

#### **Objectives (Cadets will be able to):**

1. Design a shell-and-tube heat exchanger to meet process specifications.
2. Implement the 3-step CHEMCAD heat exchanger design procedure.

#### **Definitions:**

CHEMCAD heat exchanger icons, CHEMCAD shell-side flow, CHEMCAD tube-side flow

#### **Cadet Notes:**