



Course Title: AIChE's Applied Separations: Evaporation, Adsorption

| Course ID: | Course Type: |
|---|------------------|
| ELA129 | eLearning Course |
| http://www.aiche.org/ela129 | |

Course Outline

- Introduction
- Important Considerations
- Heat Transfer in Evaporators
- Evaporator Mass and Energy Balances
- Boiling Point Elevation
- Example: NaOH Concentration
- Batch Evaporators
- Short Tube Vertical Evaporators
- Film Evaporators
- Long Tube Vertical Evaporators
- Forced Circulation Evaporators
- Multiple Effect Evaporators
- Vacuum Sources
- Other Energy-Saving Strategies
- Plate Evaporators