

# Ch E 550: Membrane Science and Engineering Chemical Engineering

This course covers the science of membrane processes and the engineering of membrane system module and process design. Topics discussed include: membrane transport theory, porous and nonporous membranes, membrane characterization, and unit operations with a focus on the application of membrane theory to unit operations and the optimization of both industrial and academic applications.

3 Credits

#### **Prerequisites**

• Engr 322: Transport Phenomena \$target.descriptions.MinimumGrade\$

### Instruction Type(s)

• Lecture: Lecture for Ch E 550

## **Subject Areas**

• Chemical Engineering

#### **Related Areas**

• Chemical and Biomolecular Engineering

