

Heat Exchangers

Course Code:

ME 426

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Heat Transfer [1]

Course Language:

English

Course Content:

Heat transfer mechanism leading to basic heat exchanger equations. Classification and analysis of heat exchangers including geometry. Heat transfer and flow friction characteristics. Compact and shell and tube heat exchanger application and design procedures. Fouling and its effect on life cycle analysis, maintenance methodology.