

Refrigeration Systems

Course Code:

ME 425

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Thermodynamics II [1]

Course Language:

English

Course Content:

Survey of refrigeration. Refrigeration and vapor compression systems, refrigerants, compressors, condensers, evaporators, refrigerant flow controls, systems equilibrium and cycling controls, refrigerant piping. Cooling load calculations, refrigeration with ejection, absorption systems, evaporative cooling and evaporative coolers, desiccant cooling systems.