

Design of HVAC Systems

Course Code:

ME 424

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Fundamentals of HVAC Systems [1]

Course Language:

English

Course Content:

Duct design principles and losses, equal friction method, fans and systems effect, air conditioning system components, dampers, filters, heating and cooling coils, air distribution, air conditioning systems, liquid chilling systems, air handling systems: single and multiple zones, constant volume systems, variable volume systems.