

Course Number

MER-331-01

Course Description

Analysis of fluid systems according to the control volume formulations of Newton's second law and the conservation laws of mass and energy. Both differential and integral analysis approaches are taught. Includes study of hydrostatics, dimensional analysis, boundary layers, Bernoulli's equation, head loss and piping systems, and lift and drag forces. Includes a laboratory component. Course Types: WAC

Academic Term

22/FA

Instructor

Hamed, Ali

Location & Meeting Time

Integrated Science & Engineering Complex-220 M/W/F 01:50PM-02:55PM LEC

Credits

1.00

Capacity

24

Total Students

23

Common Curriculum

WAC

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)