

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.

Academic Term

20/WI

Instructor

Hamed, Ali

Location & Meeting Time

Integrated Science & Engineering Complex-187+ M/W/F 11:45AM-12:50PM LEC

Petition

N

Credits

1.00

Capacity

12

Total Students

8

Additional Information

[http://cs.union.edu/me\\_dept/me\\_dept.html](http://cs.union.edu/me_dept/me_dept.html)

Common Curriculum

WAC Writing Across Curriculum

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)