



MET 3714L - Fluid Mechanics Laboratory

Fall 2026 Syllabus, Section 02, CRN 43592,

Credit hours: 1

Instructor

Michelle Seifert

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Public Instructor Information

Master of Industrial Engineering & Management - MSE, Youngstown State University, 2014

Bachelor of Mechanical Engineering Technology - BSA, Youngstown State University, 2012

Student Support Hours/Office Hours: M/W 4-5 pm, Tues 1-4 pm. Other times are available, usually before or after class

Additional Contact Methods: 330-941-2365

Office Location: Moser Hall #4120

Preferred Contact Method: email

How to Refer to me: Professor Seifert

Course Description

3714L. Fluid Mechanics Laboratory. Fluid Mechanics Lab. Experiments and applications of concepts covered in MET 3714. One hour lab per week.

Prereq.: C or better in MET 3714 or concurrent with MET 3714. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Choose One	no readings		

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Proposed Topic	Due/To Prepare for Class
8/24	Viscosity of Fluids	
8/31	Pressure Measurement	
9/7	Static Fluids	
9/14	Bouyancy	
9/21	Bernoulli's	
9/28	General Energy Equation	
10/5	Laminar and Turbulent Flow	
10/12	Energy Losses	
10/19	Minor Losses	
10/26	Series Systems	
11/2	Parallel Systems	
11/9	Pump Selection and Application	
11/16	Flow Measurements	
11/23	Forces due to Motion	

11/30	Make Up Labs
12/7	Make Up Labs

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.