

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: MECHANICS OF FLUIDS
Code No,: MCH 225-5
Program: MECHANICAL DRAFTING TECHNICIAN
Semester: FOUR
Date: JANUARY 1986
Author: C. Rising

New: Revision

APPROVED
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Chairperson - ^

Date

PHILOSOPHY/GOALS:

lb have the student able to recognize and solve problems in various areas of Fluids and associated basic thermodynamics.

METHOD OF ASSESSMENT (GRADING METHOD):

Grading will be on logical solutions, layout, sketches, diagrams, and general tidiness of presentation.

TESTS:

- a) There will be a minimum of one weeks notice for tests,
- b) Tests will be held at intervals throughout the semester.
- c) In the event of a student being absent for a test, he/she will be given an opportunity to write a test.of similar content at a time suitable to: the instructor.
- d) If a student fails a test, an opportunity will be given to that student to write a make-up test at a time designated by the teacher
- e) An 80% attendance record is required in order for a student to be eligible to write a make-up test.
- f) The maximum grade that a student will be given for a make-up test will be a "C^M".

ASSIGNMENTS:

- a) All assignments must be handed in for marking on the specified date and time.
- b) Grades for assignments handed in late will be reduced accordingly to the degree of lateness.
- c) Late assignments will not be accepted if they are submitted after those that were submitted on time have been marked.
- d) The marking of assignments may be on a random basis.

DISTRIBUTION OF MARKS:

Tests	70%
Assignments	20%
Attitude	10%

100%

REFERENCE TEXTS:

Fluid Mechanics - Binder
Fluid Mechanics - Streeter
Fluid Mechanics - Daugherty & Franzini
Hydraulics - King Wisler
Basic Engineering Thermodynamics - Joel
Thermodynamic Tables - Haywood

TOPICS:

Principles of Hydrostatic Pressure
Fundamentals of Fluid Flow
Continuity Equations
Bernoulli
Flow Measurement (Venturi & Orifice)
Pipe Friction
Gas Laws
Steam
Combustion