

# 98-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	中等流力	Serial No. / ID	2166 / MAI3020
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年4班
Lecturer	謝其源	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(一)23 / H466 (三)3 / H466	Language	Chinese

Introduction
This is an intermediate-level Fluid Mechanics course. Contents of the course are: Governing equaitons of fluid mechanics, internal flow, potential flow, and boundary layer theory.

Outline
<ol style="list-style-type: none"><li>1. Fundamentals</li><li>2. Basic Conservation Laws</li><li>3. General Theorems for Inviscid Flow</li><li>4. 2-D Planar Potential Flow</li><li>5. Incompressible Viscous Flow Through Pipes</li><li>6. Boundary Layer Theory of Incompressible Fluid</li></ol>

Prerequisite
Fluid Mechanics, Engineering Mathematics (1 and 2)