

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	中等流力	Serial No. / ID	1833 / 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	吳佩學	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)6 / H445 (二)56 / H445	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">1. Fundamentals2. Basic Conservation Laws3. General Theorems for Inviscid Flow4. 2-D Planar Potential Flow5. Incompressible Viscous Flow Through Pipes6. Boundary Layer Theory of Incompressible Fluid

Prerequisite
Fluid Mechanics, Engineering Mathematics (1 and 2)