

# 102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	複合材料導論	Serial No. / ID	2019 / MAI2053
Dept.	機械與自動化工程學系	School System / Class	大學日間部2年1班
Lecturer	陳國祥	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)678 / H439	Language	Chinese

Introduction
This course provides a fundamental understanding of composite materials. The mechanical behavior and property of the composite materials are discussed.

Outline
Lamina Stress?Strain Relationships Effective Moduli of a Continuous Fiber-Reinforced Lamina Strength of a Continuous Fiber-inforced Lamina Analysis of Lamina Hygrothermal behavior Analysis of a Discontinuously Reinforced Lamina Analysis of Laminates Analysis of Viscoelastic and Dynamic Behavior Analysis of Fracture Mechanical Testing of Composites and Their Constituents

Prerequisite
工程材料、材料力學、機械製造