



Analysis and design of composite structures

Class notes



Course Outline



Chapter 1. Introduction

Chapter 2. Lamina: macromechanical behavior

Chapter 3. Lamina: micromechanical behavior

Chapter 4. Laminates

**Chapter 5. Bending, buckling, vibrations,
aeroelasticity, impact**

Chapter 6. Fracture mechanics



References



- **Robert M. Jones, Mechanics of Composite Materials, 2nd ed., Taylor & Francis, 1999.**
- **J. N. Reddy, Mechanics of Laminated Composite Plates and Shells: theory and analysis, 2nd ed. CRC Press, 2004.**