

## AMS09 COMPOSITE MATERIALS & STRUCTURES

1. Classification of composite materials,
2. Dispersion strengthened,
3. Particle reinforced and fiber reinforced composite laminates properties of matrix and reinforcement materials.
4. Micromechanics and principles of strengthening, elastic properties,
5. Stress-strain relations, fracture behaviour,
6. Fabrication methods and structural applications of different types of composite materials.

### References Book:

1. Composite Materials: Science & Engineering, K. K. Chawla (springer)

