

AMMR-22: COMPOSITE MATERIALS

Course Details:

Classification of composite materials, dispersion strengthened, particle reinforced and fiber reinforced composite laminates properties of matrix and reinforcement materials. Micromechanics and principles of strengthening, elastic properties, stress-strain relations, fracture behaviour, fabrication methods and structural applications of different types of composite materials.

Text Books and Reference:

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