

MDT 221: Machine Design

This course covers the design concepts necessary to develop the technical drawings and features to manufacture or fabricate a part or assembly using computer-aided drafting / design software. The topics covered are the concepts and design constraints of gears, drive systems, bearings, belts, shafts, chains, fasteners, and springs. The student will be expected to apply the concepts and design constraints to properly design machine components and systems.

hours: 3

Lab Hours: 2

Theory Hours: 2

Prerequisites:

MDT 105, MDT 111

Program: Mechanical Design Technology