Machine Design 1

Course Outline:
- Principles of Mechanical Design
- Materials in Mechanical Design
- Stress & Deformation Analysis
- Combined Stress & Mohr’s Circle
- Design for Different Types of Loading
- Design of Columns
- Tolerances & Fits
- Fasteners
- Frames, Bolting & Welded Joints

Objectives:
- Basic principles and calculations for Machine Design of precision equipment for under-graduate and graduate Mechanical Engineering students

Who should attend:
- Mechanical engineering students
- Mechanical and Production engineers
- Managers

Instructor:
Dr. Hatem Radwan
Purdue University, 1972
Over 30 years industrial experience in USA with IBM, Seagate, Hitachi and Sargent & Lundy

Reference:
Machine Elements in Mechanical Design

Duration: 60 hrs
Charge:
Date/Time:
Location: