Bearing Maintenance

This is an in-depth, two-day course covering the design, construction, and installation procedures associated with the major types of bearings used in industry today. Hands-on training is the primary focus of this course, with approximately 60% of the class time spent performing laboratory exercises. This course is designed for all maintenance personnel involved with the installation of anti-friction bearings, performing bearing failure analysis, and selecting lubricants as part of their daily routine.

I. Bearing Design and Construction
   · Bearing Requirements
   · Bearing Types
   · Anti-Friction Bearings
   · Friction Bearings

II. Bearing Maintenance
   · Bearing Lubrication
   · Bearing Inspections
   · Roller Bearing Installation
   · Roller Bearing Removal
   · Journal Bearing
   · Bearing Care

III. Bearing Failure Analysis
   · Normal and Abnormal Load Patterns
   · Maintenance-Related Failures
   · Lubrication-Related Failures
   · Operational-Related Failures