

## pumps

**Course duration:** 24 Hours

**Course Content:**

- Basic Pump Principles
- NPSH
- Cavitation
- Affinity Laws
- Work & Efficiency
- Pump Classification
- Pump Curves
- System Curves
- Shaft Deflection
- Pump-Motor Alignment
- Bearings
- Pump Packing
- Mechanical Seals
- Seal Failure Analysis
- Practical Maintenance
- Avoiding Wear
- Pump Piping