

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: INT 1114

Course Name: Industrial Mechanical Systems Shop

CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Check the dial indicator setup and make appropriate measurement corrections.
- Detect and correct "soft foot."
- Make and interpret measurements using the dial indicator setups.
- Determine shimming requirements.
- Correctly install the shims.
- Apply measurements to correctly align shafts on all axes.
- Disassemble and inspect a gearbox.
- Remove and reinstall bearings.
- Set shim thickness on thrust bearings.
- Draw an appropriate exploded view diagram.
- Identify the major components of a chain drive.
- Install and align sprockets.
- Install and tension chains.