

MFG 206 : SURFACE GRINDING I

Transcript title

Surface Grinding I

Credits

2

Grade mode

Standard letter grades

Contact hours total

60

Lab hours

60

Prerequisites

instructor approval.

Recommended preparation

MFG 100.

Description

Horizontal grinding machine operations. Includes machine nomenclature, chucking methods, wheel dressing, workpiece setups and cutting operations.

Learning outcomes

1. Safely mount and secure work piece using magnetic chucking device.
2. True and dress the grinding wheel to produce accurate work.
3. Clean pump filters, change coolant and insure coolant system is working properly.
4. Simulate how the magnetic chuck can be ground in to assure accurate work.
5. Grind work to within .0005" tolerance level
6. Setup and perform simple grinding operations matching workpiece specifications