

MET 230 LAB INTRODUCTION

Rev. JTL 8/24/09

Lab 0

1. Introductions: your name, where are you from, your interests.
2. Lab next week: bring textbook, calculator, pencil, straight edge. Lab 1A will be submitted at the end of lab session, part Lab 1B will be submitted at the start of Lab 2.
3. Hydraulic tests stands in the laboratory use industrial-grade components, the same as used in industrial and mobile applications. Appendix A to the Lab Manual has a bill of materials and pictures of all components on the test stands that will be used in this class. To see the pictures in color, use “Appendix A of Lab Manual” file saved on G:\MET\Met230. Also, there is a list of all components on the newer Bosch test stands, with symbols and their location. Feel free to look at the components. Return the components to their proper location after use.
4. Available software:
 - a. Automation Studio 4.1 on Bosch stands (8 licenses), plus 2 licenses on computers next to scanner in Knoy 114. Training movies are located at G:\MET\Met230\Automation Studio 4 Tutorials. Start with watching Automation_Studio_General_Overview (27 MB).
 - b. Bosch Training software (WebTrainer for Hydraulics and Pneumatics, Graphics) on all computers in Knoy 114.
5. Introductions for individual lab assignments are posted at G:\MET\Met230\!MET 230 Lab Introduction.
6. Watch The History Channel movie “MODERN MARVELS: HYDRAULICS” (50 mins.) if time permits. The movie shows various applications of hydraulics from historical perspective and presents current developments in this area as well.