

IEGR 360
ERGONOMICS AND WORKPLACE DESIGN
Laboratory III

Date: 11/12/2015

Due: 11/19/2015

Exercise in Selected Ergonomic Assessment Tools

Goal: The goal of this laboratory is to gain some insight into some of the ergonomic assessment tools/devices.

Procedure: Do some research (online or otherwise) and write about the following pieces of equipment used in ergonomic evaluation.

1. HR monitor
2. Goniometer
3. Strength evaluation system
4. Electromyograph (EMG)
5. Skin calipers

Results: Report the result of research explaining

- i) What is the device meant to do?
- ii) How it does what it is meant to do (operating principles)?
- iii) How is this device important in the field of ergonomics?
- iv) Are there any other devices that can be substituted to perform the same task as performed by this device?

Write a report in the usual report writing format given in class