**E3 Outline**

**Section 5 Group 4**

**Part A. Preparation of Standard Solutions**

Colorless solution sample #1 containing yellow AV? React/low concentration .

Labels are important

Use 10ml pipet instead of 5ml to add the solution

Put thumb at top of pipet.

Forget to rinse the pipet.

**Part B. Adjusting the Spectrophotometer**

Transparent surface of cuvette was touched

**Part C. Making the absorbance Spectrum & Finding λOPT Using a Standard solution**

The absorbance monotonically decrease as the increase of wavelength

**Part D. Making the Calibration Curve Using the Standard Solutions**

Some points aren’t on the curve and the curve doesn’t pass zero point

Whether calibration is necessary before every measurement.

The data result from the spectrophotometer is very different from our calculation