black entries are Mondays classes, Red entries are Wednesday classes at the same time

1 pm M and W class

Co(NO3)2	450	525	600
0.030	0.053	0.117	0.002
0.050	0.204	0.095	0.008
0.060	0.118	0.239	0.025
0.070	0.148	0.286	0.031
0.100	0.418	0.423	0.040
0.100	0.216	0.440	0.030
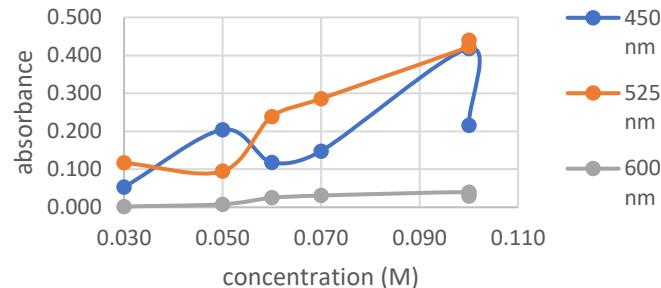
Cu(NO3)2	450	525	600
0.030	0.001	0.002	0.002
0.050	0.007	0.009	0.044
0.060	0.009	0.011	0.038
0.070	0.021	0.031	0.061
0.100	0.104	0.097	0.158
0.100	0.035	0.038	0.006
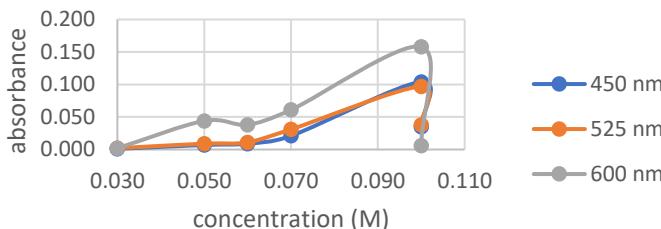
Ni(NO3)2 conct	450	525	600
0.030	0.043	0.001	0.006
0.050	0.050	0.003	0.054
0.060	0.026	0.002	0.035
0.070	0.028	0.005	0.043
0.100	0.410	0.008	0.055
0.100	0.048	0.015	0.067 left off this dat

Co(NO3)2 calibration M & W 1 pm red

Cu(NO3)2calibration M & W 1 pm, blue

Ni(NO3)2 calibration curve M & W 1 pm, green
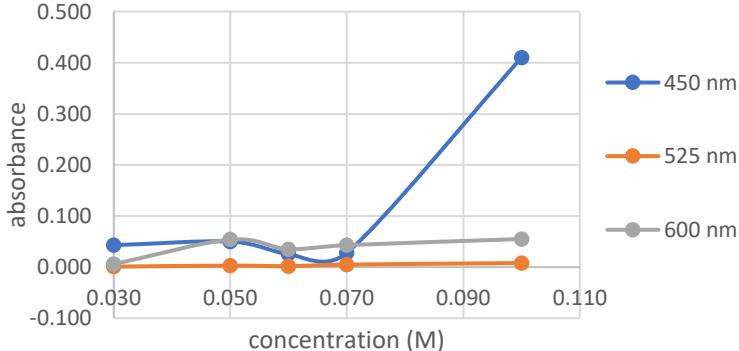
3 pm M & W

Co(NO3)2	450	525	600
0.030	0.065	0.136	0.010
0.050	0.357	0.100	0.005
0.060	0.110	0.255	0.012
0.070	0.773	0.433	0.348
0.100	0.209	0.428	0.038
0.100	0.491	0.231	0.021

Cu(NO3)2	450	525	600	
0.030	0.231	-0.100	0.680	left off this data
0.050	0.038	0.012	0.052	
0.060	0.021	0.024	0.067	
0.070	0.038	0.038	0.088	
0.100	0.031	0.035	0.110	
0.100	-0.038	-0.029	0.035	left off this data

Ni(NO3)2

conct	450	525	600	
0.030	0.018	0.008	0.022	
0.060	0.040	0.007	0.030	
0.070	0.010	0.001	0.000	
0.100	0.043	0.010	0.060	
0.100	0.023	0.020	0.009	
0.050	0.126	0.104	0.130	left off this data

Co(NO3)2 calibration plot M & W 3 pm, red

Cu(NO3)2 calibration plot M&W 3pm blue

Ni(NO3)2 calibration plot M & W 3 pm, green
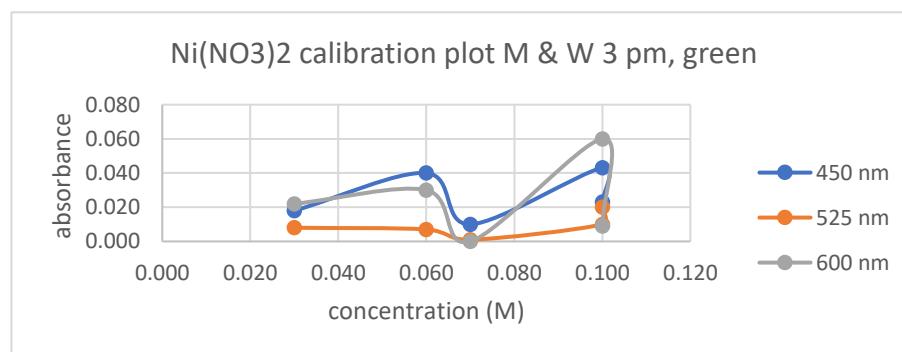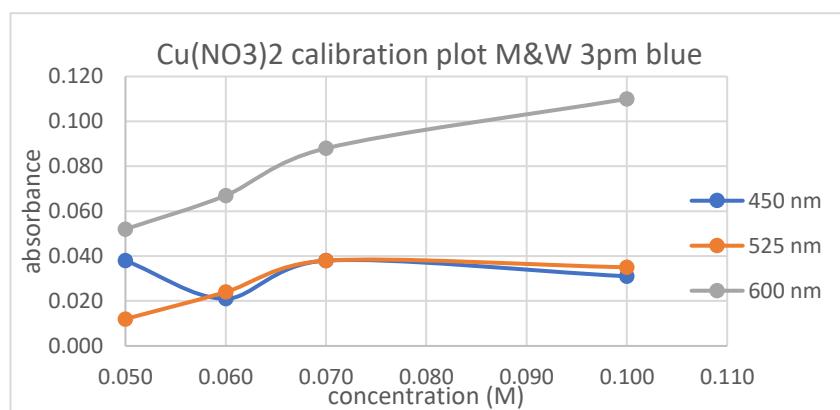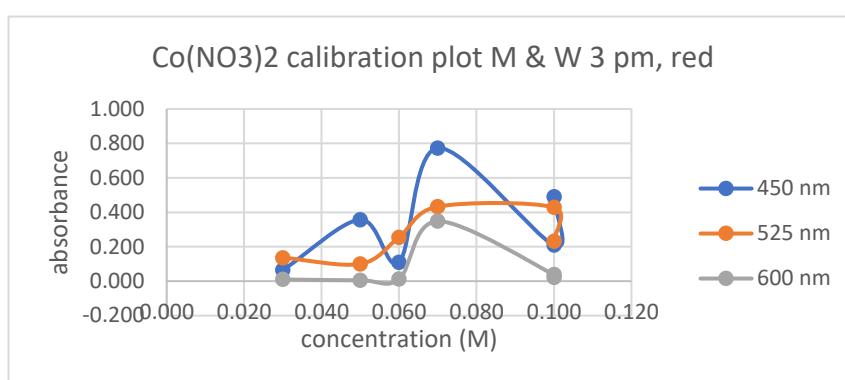
Complete for the following excel plot for your lab report form: EXTRA CREDIT (5% pts)

Cu(NO3)2	450	525	600
0.050	0.038	0.012	0.052
0.060	0.021	0.024	0.067
0.070	0.038	0.038	0.088
0.100	0.031	0.035	0.110

(a) input a axis title for concentration (M)
(b) input axis title for absorbance
(c) change the scale of the x axis
so that the graph only shows data
(d) put in a trendline for 600 nm
(e) write out the equation given for
trendline for 600 nm
1% pts each item done correctly

Cu(NO3)2 calibration plot for M & W 3 pm plot

trendline for 450 nm
y = -0.0286x + 0.034

y = 0.4071x - 0.0012
trendline for 525 nm

Legend:
● 450 nm
● 525 nm
● 600 nm
—— Linear (450 nm)
—— Linear (525 nm)
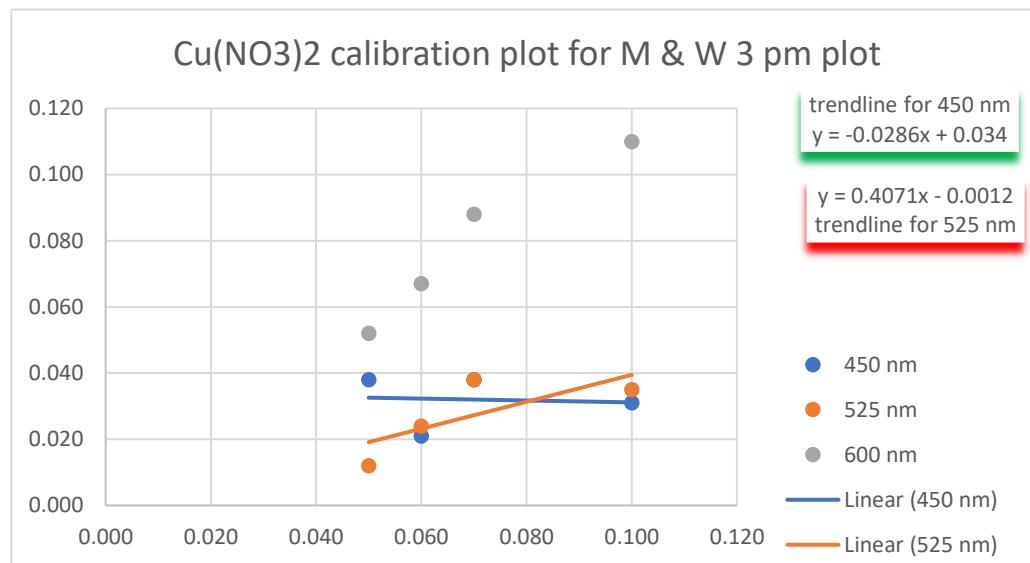
(1) to add chart elements: double click on plot (2) pin the top menu bar from home (or use the side window)
NOTE: this is the same chart as shown above for Cu(NO3)2 calibration plot for M & W 3 pm plot.