Name: _____

Partner(s): _____

Lab TA: _____

Lab Section: _____   Date: _____

TA Initials:	
Pre-Lab:	(10)
Data/Graphs:	(50)
Units/SF/Unc:	(10)
Sample Calc:	NA
Analysis Q's:	(20)
Clean-Up:	(10)
TOTAL:	(100)

Experiment E4:
Parallel-Plate Capacitor

Part II: Potential vs. separation

Be sure to indicate the polarity (+ or -) of the voltage.

Separation (mm)	Potential (V)	Separation (mm)	Potential (V)
		20	±
5	±	25	±
6	±	30	±
7	±	40	±
8	±	50	±
10	±	65	±
12	±	80	±
15	±	100	±

Part III: Plot your data and fit it

Attach your computer-generated plots to this worksheet

Part IV: Potential vs. separation without instrumental capacitance

Separation (mm)	Potential (V)
10	±
25	±
40	±
55	±
70	±
85	±
100	±

Attach your computer-generated plots to this worksheet