

Oberlin College Physics 111, Spring 2024

Assignment 1

Monday, 5 February

Reading: By Friday, read LSM chapter 5 (“Electric Charges and Fields”). Deemphasize section 5.7. If you’re bored, begin reading ahead in chapter 6 (“Gauss’s Law”).

Laboratory: Brief organizational meeting this week in Wright Laboratory room 214. Next week, “Electrostatics”.

Problems: Due Wednesday, 14 February. These problems are not from the textbook, but from my document “Problems for Physics 111”.

- 1: *Using Coulomb’s law*
- 2: *Hanging charges*
- 3: *Estimating charges and forces*
- 4: *Electric field due to two charges*
- 5: *Clock of charge*
- 6: *Rod of charge*