

# Physics 1114 - General Physics I

## Lab 3 - 2012.06.20

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**Overview:** We will study Newton's First and Second Laws, and verify that they hold for an experimental setup.

**Details:** The airslide will be used to reproduce example 5.4 (page 132).

As in example 5.4, you will be given an air sled, a weight to counterbalance, and will have to compute the angle of incline for the sled required for the system to move with constant speed. This should be verified with several trials, and perhaps even different weights. Afterwards, a thorough discussion of the assumptions should be made, and how they really impact the system.