



SCIENCE

DEPARTMENT OF

PHYSICS

LABORATORY

PHYSICS 101 - LABORATORY 1
MEASUREMENT OF ACCELERATION DUE TO GRAVITY

The purpose of this experiment is to determine the acceleration due to gravity (g) by measuring the time of fall of a body from a certain height. The experiment is based on the equation of motion for a body falling from rest under the influence of gravity.

The theory of the experiment is based on the equation of motion for a body falling from rest under the influence of gravity. The equation is given by $s = \frac{1}{2}gt^2$, where s is the distance fallen, g is the acceleration due to gravity, and t is the time taken for the body to fall the distance s.



