

Physics 112

K. G. Hendry

Unit 1-Kinematics

- using vectors, graphs, and mathematics to describe position, displacement, velocity and acceleration

Unit 2-Dynamics

- the effects of one dimensional motion
- Newtons Laws
- analysis of dynamic systems

Momentum/Energy

- work, power, efficiency
- transformation, total energy and conservation of energy

Unit 4-Waves

- fundamental properties of waves
- sound, light and electromagnetic radiation

Evaluation

- Tests.....30%
- Quizzes.....30%
- Research Project.....10%
- Final.....30%

Materials Required

- Duotang for sheets
- Hilroy for homework
- Graph paper, 15cm ruler, protractor
- “something” for notes/worked examples