

PH 212 : GENERAL PHYSICS II

Transcript title

General Physics II

Credits

5

Grade mode

Standard letter grades

Contact hours total

70

Lecture hours

40

Lab hours

30

Recommended preparation

MTH 252 and PH 211.

Description

Studies basic electrostatic and magnetic interactions. Builds on concepts from PH 211 and continues into electrostatic forces, electric field concepts, electric potential, basic DC circuit concepts, magnetic interactions and forces, sources of magnetic fields and Faraday's Law. At all stages, applications of calculus to the solving of problems will be explored. Lab addresses concepts and measurements in thermal physics and continues to explore the processes by which science seeks answers to questions. Required for engineering students and most students planning programs in the physical sciences. Should be taken in sequence.

Learning outcomes

See outcomes and topics for PH 202.

General education/Related instruction lists

- Science Lab