

DATE: June 4, 1997

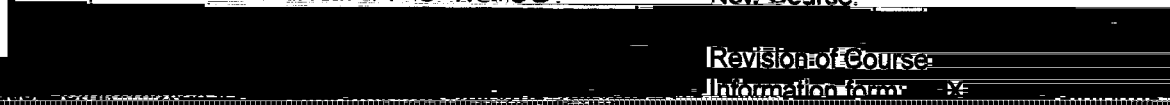
A: Division: ACADEMIC

B: Department: SCIENCE & TECHNOLOGY

New Course: SCIENCE & TECHNOLOGY

Revision of Course: SCIENCE & TECHNOLOGY

Information form: SCIENCE & TECHNOLOGY



Textbooks and materials to be purchased by students  
(Use Bibliographic Form):

Faughn, J.S.; Chang, R; Turk, J.; Physical Science, Second Edition, Saunders College Publishing, 1995.

- Complete Form with Entries
- G. General Course Objectives     P. Course Content     M. Method of Instruction
- R. Course Evaluation
- G. General Course Objectives:

1. The scientific method

describes the physical world, measurements, units, mass, length, time, temperature, density, volume, mass, weight, force, pressure, energy, work, power, momentum, impulse, Newton's laws of motion, kinematics, dynamics, statics, fluids, waves, sound, light, heat, electricity, magnetism, atomic structure, nuclear energy, relativity, quantum mechanics, modern physics, applications of physics, laboratory work, data analysis, library searches, use of computers, searching for information.

2. Motion

## 12. The Nucleus

Structure of the nucleus, isotopes, radioactivity, radioactive decay, radiometric dating, nuclear fission, fusion, nuclear reactors, environmental issues.

### Laboratory Content

The following laboratory experiments will be performed:

#### 1. Measurement of Volume and Density