

CURRENT ITEM GUIDELINES

Date: 27 April 1999

A: Division: Instructional

B: Department: H M N

New Course Program Area: Science and Technology

Revision: X

Revised: 1999-04-27

Date Last Revised: 27 May 1997

Mechanics & Heat

Phys 10

Semester Credits

Subject & Course No.

Descriptive Title

Calendar Description: This is a calculus-based course in mechanics and heat. Topics include vectors and dynamics; momentum; work & energy; motion of systems; rotational motion; fluids; motion; sound; temperature; thermal properties of matter; elements of thermodynamics.

Instruction/Learning Settings

Course Prerequisites: Physics 12 (or equivalent) & BC Principles of Math 12 (C or higher)

Primary Methods of Instructional Delivery and/or

Learning Settings:

Lecture/Laboratory

Number of Contact Hours: (per week / semester for each descriptor)

J.M. Course for which this Course is a Prerequisite: Phys 210

Number of Weeks per Semester

Maximum Class Size: 36

Non-Credit

College Credit

College Credit Transfer

Requested

Granted: X

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (WWW.BCAT.BC.CA)

M1: Course Objectives/Learning Outcomes: The student will:
1) demonstrate an understanding of the basic principles and laws of mechanics and heat.
2) be able to apply the principles and laws of mechanics and heat to solve problems.

Significant figures and experimental uncertainty consideration.
be able to write formal laboratory reports and in the conventional form.

NI Course Content

Mechanics

Heat

O: **Methods of instruction**
Classroom time will be divided 11