Oscillations and Waves — Data Sheet PHY255F 2007

Lecturer: Office: email: Office Hours: Lectures:	Robin Marjoribanks MP 1104C marj@physics.utoronto.ca W 4–5 PM W, F 10am @ MP202		
	<u>Term marks:</u> <u>Final exam:</u>	5 problems term test	25% 25% 50%
Problem Sets due dates	<u>Total:</u> Wednesday, Wednesday, Friday, Friday, Friday,	3 October 17 October 9 November 23 November 7 December [2	zero extensions possible on this one]
Late policy:	Please hand in to your markers' drop-boxes (ask markers/TAs). look for solutions posted online, as soon as the next class-day. 25% off per day zero, once solutions are posted		
Tutors/Markers:	Jean-Sébastien Bernier, jeansebastien.bernier@utoronto.ca		
Term Test:	26 October, 5–7 pm, room TBD		
<u>Other Dates:</u> (double check these in your Academic Calendar)			

Double-check at: http://www.artsandscience.utoronto.ca/ofr/calendar/dates.htm

September 10 - Fall term classes begin in F and Y section code courses September 23 -Last day to add courses with F and Y section codes October 19 - Examination timetable for F section code courses posted November 4 - Last day to drop courses with F section codes from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a "0" is assigned for incomplete work), and calculated into the GPA. December 7 - Classes end

TEXT:

The Physics of Vibrations and Waves, Sixth Edition H.J. Pain

(Wiley, 2005) paperback available

The style is clear but not flowery, and not overly conversational — he gets on with the subject matter. The book will cover not only the course material but numerous other questions that are very important to vibrations and waves, and which a curious student will ask. The supply of questions is excellent, and the book is a 'keeper' as a useful reference even after the course is over.

REFERENCES:

Vibrations and Waves, A.P. French

(Norton, 1971) paperback

A more conversational text, and somewhat less rigorous in its structure as a consequence, this book has some superior illustrations. Because it tends in places to 'one-off' special solutions, I find it less useful in learning the physics approaches to solving problems of oscillations and waves. It has been a reliable teaching tool for quite a long time, though, so if you have problems with Pain's style, you may find that French's style suits you. Not much of a reference text.