PHYA22H Summer 2013

Introduction to Physics II B (Physics for Life Science)

INSTRUCTOR: Mr. Gyula Lorincz

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COURSE DESCRIPTION:

The course covers the main concepts of Electricity and Magnetism, Optics, Atomic and Nuclear Physics. It provides basic knowledge of these topics with particular emps4Tm /F2.0 1 Tf (asic) Tj ET s9c10F2.0 BT151 1 Tf ( ) Tj ET Q q 0.24 0 0 0.24 209.1

COURSE MATERIAL:

Physics for Scientists and Engineers (2nd edition) by Knight. Copies are available at the UTSC bookstore. There are a variety of formats (including e-book). As we will not be using Mastering Physics in PHYA11, you do not need to get a package which includes it. If you get the third edition that should su

READING QUIZZES:

Therewill be no weekly

group work which you were absent for.

If you are more than 10 minutes late (arrive at 9:20, say, instead of 9:10) you will be counted as absent, but will still get credit for the group work. Similarly, if you leave early you will also be counted as absent.

CONCERNS?

If you have any concerns about the course and your ability to do well, please come see me and we can discuss your situation. I am happy to make reasonable accommodations to ensure that all students have an equal opportunity to do well in this course. You can also speak with the people at ACCESS Ability Services who can advise us both.

TENTATIVE **LECTURE SCHEDULE**

Week 1 Đ Travelling Waves (Chapter 20)

Week 2 Đ Standing Waves, Inteference (Chapter 21)

Week 3 Đ Optics, Ray Optics (Chapters 22 & 23)

Week 4 Đ Lenses (Chapter 24)

Week 5 Đ Electric Forces (Chapter 26)

Week 6 Đ Electric Fields (Chapter 27)

Week 7 Đ Electric Potential, Capacitors (Chapter 29)

Week 8 Đ Current, Res0.2 (s) -0.224 0 0 50 0 0 Tm / 0 0 50 0 0 Tm /F2.0 1 Tf (Đ) Tj E 50 0 0 T 0 5