Physics 2331: Modern Physics I (Fall 2019)

Instructor: Dr. M. C. Gallagher

 Office:
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 Lab:
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Office Hours: Mon. & Wed. 1:30 to 3:00 PM (in either CB4031 or CB2015).

Lectures: Tues. & Thurs., 10:00AM to 11:30 AM. AT1007

Tutorial: Thurs. 1:30PM to 2:30PM in AT1007.

Course site: access through "myCourselink" using Lakehead username and

password.

Text: <u>Modern Physics for Scientists and Engineers</u>, Fourth Edition,

Stephen Thornton and Andrew Rex.

Marking Scheme: Problems (weekly)20%

Mid-Term Test (Thurs., Oct. 10th)......30% Final Exam (TBA)......50%

<u>Topics</u>	Thornton & Rex
State of affairs before Modern Physics	Ch. 1
Special Relativity	Ch. 2
Quantum Behaviour	Ch. 3
Atomic Structure	Ch. 4
Wave Properties of Matter	Ch. 5
Quantum Mechanics	Ch. 6
The Hydrogen Atom	Ch. 7
Atomic Physics (time permitting)	Ch. 8

Problem Sets:

- a) Assignments posted on course site.
- b) Due (normally Thursdays) by 4:30pm (hand-in at lecture or my office).
- c) 20% penalty for late assignments (normally until the following Monday at noon).
- d) No assignments accepted after noon on Monday.
- e) Assignment solutions will be posted on course site.

Accommodations:

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit: http://studentaccessibility.lakeheadu.ca