

Physics 2331: Modern Physics I (Fall 2011)

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Lectures: WF 11:30AM to 1:00 PM in AT1007.

Tutorial: Tues. 2:30PM-3:30PM in RB2042.

Office Hours: MWF 10:00 to 11:00 AM

Text: Modern Physics for Scientists and Engineers, Third Edition, Stephen Thornton and Andrew Rex.

Marking Scheme:

Problems (weekly)	20%
Mid-Term Test (Wed., Oct. 19th).....	20%
Final Exam (TBA)	60%

Topics

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

Problem Sets:

- Due Wednesdays by 4:30pm.
- 15% penalty applied between 4:30pm Wednesday and 4:30pm Friday.
- Not accepted after 4:30pm Friday.
- Assignments and subsequent solutions posted on course website (<http://www.lakeheadu.ca/~physwww/courses/P2331/P2331.php>).