

PHY2332-Modern Physics II  
Course outline- January 2009

**Instructor:** [Dr. Hubert de Guise](#)

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Schedule: Lectures MWF 14h30-15h30 RB3044

Office hours: MWF 10h30-11h30

**Textbooks:** Stephen Thornton and Andrew Rex, *Modern Physics for Scientists and Engineers (3<sup>rd</sup> ed.)*, Thompson Brooks/Cole 2006.

**Proposed topics:** Chapters 8 to 13 of Thornton and Rex. More specifically: Atomic Physics (Chap.8), Statistical Physics (Chap.9), Molecules and Solids (Chap.10), Semiconductors Theory and devices (Chap.11), The atomic nucleus (Chap.12), Nuclear Interactions and Applications (Chap.13)

**Marking scheme:** Bi-weekly Assignments: 25%; Mid-Term: 20% Final: 55%

**MidTerm :** Fri. Feb. 27th.

**Nota:** I will be away from Feb.2<sup>nd</sup> to Feb. 6<sup>th</sup>. Dr. Mark Gallagher will substitute for me during that time.