General Physics VI: Modern Physics
PHYS 2750

1. **What is this course all about?**
   This physics course explores the fundamental ideas that are still driving our technological developments. In particular it covers Einsteins famous special relativity, as well as how modern scientists perceive the microscopic word described by Quantum Physics. These new concepts are introduced through crucial historical observations. It covers the dual nature of light and particles, quantum well and tunneling phenomena which play a key role in modern electronics, the atomic and nuclei structure, and elementary particles.

2. **Textbook**
   Modern Physics
   by Serway & Moses & Moyer
   Thomson Learning Inc.,
   3rd Edition,
   2005.

3. **Instructor**
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4. **Lectures**
   - Normal Lecture Hours: Tuesday, Thursday 12H00-13H00, room C2045
     Friday 13H00 - 14H00, room C2045

5. **Test and marking scheme**
   Physics 2750
   - 20% Assignments (about 6 assignments)
   - 30% Midterm exam
   - 50% Final exam
   - no supplementary exam
Midterm exam is tentatively scheduled for:

Midterm
February 17, 2017