**Instructor:**
Willy Fischler, RLM 9.310A, 471-4072  
email: fischler@zippy.ph.utexas.edu  
Office Hours: Wednesdays 11:00 am - 12:30 noon  
Announcements will be regularly posted on Blackboard: https://courses.utexas.edu/

**Assistants:**  
TA: Dan Carney, RLM 9.312  
Office Hours: Tuesdays 1:00 pm-2:00 pm, you can also make appointments.  
email: carney@physics.utexas.edu

**Textbook:**  

**Description of the course:**
The aim in this course is to develop, from first principles, an operational understanding of the basic tools used in describing physical phenomena at the quantum mechanical level. Quantum mechanics is a confusing subject that

The organization of the course is as follows:

1) Fundamental concepts  
2) Quantum dynamics  
3) Rotations and angular momentum  
4) Symmetry  
5) Approximation methods  
6) Identical particles

If time permits we will look at scattering and possibly at fundamental issues with measurements in quantum mechanics. The order of subject matter will roughly follow the book but may deviate at times and additional material not covered in the book will be presented. The students will be notified in class what the subject matter for the next class will be so that they can read in advance relevant material.

**Grades:**
The grades will be based upon homeworks (25%), tests (25%) and one mandatory final exam (50%).

**Mid-term exams:**
- Friday February 17, 9:00 am - 10:00 am (in class)  
- Friday March 23, 9:00 am - 10:00 am (in class)  
- Friday April 20, 9:00 am - 10:00 am (in class)
**Final Exam:**
Saturday, May 12, 9:00-12:00 noon

**Homeworks:**
Will be posted on blackboard. Homework is due at the beginning of class on the specified day.

**Other:**
The last date to drop the course without possible academic penalty is February 13.

- Please notify me of any modification/adaptation you may require to accommodate a disability-related need. You will be requested to provide documentation to the Dean of Students Office, in order that the most appropriate accommodations can be determined. Specialized services are available on campus through Services for Students with Disabilities. 471-6259, http://www.utexas.edu/diversity/ddce/ssd/
- Academic dishonesty will not be tolerated. For more information see http://registrar.utexas.edu/catalogs/gi09-10/ch01/index.html
- By UT Austin policy, you must notify me of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.