

Physics 303L-MI, Spring 2013 (MWF 8-9AM, Pai 4.42)
UT registration Unique numbers: 57890, 57895, 57900, 57905

Syllabus: <http://www.ph.utexas.edu/~itig/303Lsp13/chiu/Syllabus.pdf>

Homepage: <http://www.ph.utexas.edu/~itig/303Lsp13/chiu/>

Quest-account:

- *This course makes use an online system, the web-based Quest content delivery and homework server system maintained by the College of Natural Sciences. This homework service will require a \$25 charge per student for its use, which goes toward the maintenance and operation of the resource. Please go to <http://quest.cns.utexas.edu/> to log in to the Quest system for this class. At some point during the second or third week, when you log into Quest, you will be asked to pay via credit card on a secure payment site. You have the option to wait up to 15 days to pay while still continuing to use Quest for your assignments. If you are taking more than one course using Quest, you will not be charged more than \$50/semester. Quest provides mandatory instructional material for this course, just as is your textbook, etc. For payment questions, email quest.fees@cns.utexas.edu.*
- Your account has been auto-created for you through Registrar/Quest interface. It is identified by your unique number. For a student newly transferred into this class it could take up to a 24hr delay to auto-create the new Quest account. During the semester this account keeps track of all of your records. Read FAQ to get you started. Please read "Register Iclicker" in FAQ to put the serial number of your Iclicker into your account.

1. Instructor: Charles Chiu, RLM 10.206

Office hours: MWF 9:30-10:30AM or by appointment

Email: chiu@physics.utexas.edu. Include "PHY 303L-chiu" on the subject line.

TA: "Josh Hebert" <jrhebert@physics.utexas.edu> ,

LAs: "Taylor R Schmidt" <tschmidt64@utexas.edu> , "Zheng Bian" <zhengbian@utexas.edu> ,

TA/LA homepage: (Last bullet in central doc. Contact information, TA session schedule, etc.). TA session begins on the 2d week after the class begins.

For additional help, see coaching service : RLM 5th level.

2. Course materials:

- **Textbook:** Chabay and Sherwood, "Matter & Interactions II" – Electric and Magnetic Interactions, 3rd Edition. [Binder ready (loose leaves) version, or paperback or ebook can be used].
- **Lesson plan** (The second item on the top line of the homepage. For explanation see the first part of " Present M&I curriculum", the third item on the top line of the homepage)
- **Clicker questions** (second bullet under the "lecture related links" section)
- Optional references: Additional clicker questions, see the third bullet under the same links
- **Homework sets and extras** (in Quest)
- **Course summary** (fourth bullet under the "lecture related links")

3. Clicker sessions

Interactive quiz: We plan to intersperse the lecture with interactive quiz (iq) sessions on a relatively regular basis. During an iq-session, typically

- a) each student should first independently work out the answer to the question posed,

- b) then he/she is encouraged to discuss with neighbors and interact with the LA or Lecturer.
- c) Eventually each student is to use his/her clicker to answer the question.

4. Lesson Plan: The lesson plan for this course is the second item in our homepage. The third item is a detailed description of the course plan ([Present M&I curriculum](#)). For each class, the corresponding sections in the textbook are indicated. Students should read at least one lecture ahead of the lecture. After each lecture, the students should review the corresponding clicker questions. Homeworks are due about two times per week. **No late homework will be accepted (due dates are set on Quest).**

5. Midterms and Final exam: There will be 4 evening midterm exams and the final. The lesson plan indicates the time and place of each midterm. During each Midterm,

- o The course summary page(s) up to the units will be distributed. No crib-notes will be allowed.
- o Programmable calculator may be used during an exam. However, the memory needs to be cleared before using it.
- o **Academic dishonesty will not be tolerated.**

6. Grading policy:

- o Interactive quizzes (4 drops) 7%
- o TA session: 7%
- o Homework (3 drops) 15%
- o Midterms (1 drop) 46%
- o Final 25%

During the semester to gauge the ongoing performance, a student should look at %-scores of all non-exam items and look at both the % score(ps) and the Scaled-score(ss) of each of the exams. The Scaled-score for an exam takes into account the average and standard deviation of the students on the exam. The conversion from the ps to ss is explained in Grading Details on the homepage. The lower end of the letter grade cutoffs for the percent-scores and scaled-scores are as follows.

	A[*]	A-	B+	B[*]	B-	C+	C	C- [*]	D+	D	D-[*]	F
%-score	90	(85)	(80)	75	(70)	(65)	60	55	50	45	40	<40
Scaled-score	600	575	550	525	506	488	469	450	433	417	400	<400

- For each exam, determine your ps-letter grade and the ss-letter grade. If the two letter-grades are not the same, the better of the two is the adjusted letter grade you have made for the exam.
- After the final exam the **semester-exam grade** is determined based using the aps for each exam.
- Using the grading policy stated (including the legitimate excuse for one midterm to be discussed below), quest determines the semester average and the letter grade for the course.

Drop one midterm: A student is required to take all four midterms. At the end of the semester, the midterm with the lowest **adjusted percent exam score** will be dropped.

- o If a student misses a midterm without an excuse, the missing midterm will be the one which will be dropped.
- o If the missing midterm is due to a **legitimate reason approved by the instructor**, the student's midterm grade will be calculated in one of two ways. The student's final exam score appropriately scaled replaces the score of the missing midterm. 1) The midterm average is calculated using this score plus the 3 other midterm scores or 2) if the replaced score is the lowest midterm score it will be dropped and the midterm average is calculated using only the 3 other midterm scores. The computer will choose the option which gives the highest average.

7. TA session and complaint deadline on quest record: TA session is a part of this course. TA session grades will be determined by the TA. It is the student's responsibility to verify the accuracy of his/her quest record. Complaints on pre-final quest record should be resolved by the last day of the class. In any event it is the policy of this course that no dispute on pre-final exam record will be considered beyond the day before the beginning of the final exam period.

First class reminders:

- Items needed for this course: the textbook, and the Iclicker.
- Enter I-clicker serial number into your Quest-account. Take a look at Appendix A: Review-vector (second bullet in our homepage). In Quest, download first 3 homework sets and the accompanying extra-sets which are example problems in the unit.
- Start reading today's and next time's sections in the textbook. (Use the lesson plan, and the course summary as a guide).
- Review the clicker questions associated with each lecture .
 - One week after class-begins, also check the **pre/co-requisites** audit-list which will be posted outside of the lecture hall. If your name is on this list, please see undergraduate coordinator (471-8856) in RLM 5.216

8. General Course Information

Disability Accommodations:

Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities, 512-471-6259, <http://www.utexas.edu/diversity/ddce/ssd/>

ADDING AND DROPPING COURSES

The academic calendar for each semester is provided at <http://registrar.utexas.edu/calendars>. The College of Natural Sciences adheres strictly to the published deadlines of the University. Check the academic calendar for these deadlines.

- Students who experience significant nonacademic problems such as extended health-related problems or family emergencies should contact the Dean's Office.

- **New One-time Drop Policy:** This new policy was proposed and approved by UT Faculty Council on May 9, 2011, and more information is available at http://www.utexas.edu/faculty/council/2010-2011/legislation/EPC_OTE.html.

Emergency evacuations:

Office of Campus Safety and Security, 512-471-5767,
<http://www.utexas.edu/safety/> :

- Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated. Alarm activation or announcement requires exiting and assembling outside.
 - Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.
 - Students requiring assistance in evacuation shall inform their instructor in writing during the first week of class.
 - In the event of an evacuation, follow the instruction of faculty or class instructors.

- Do not re-enter a building unless given instructions by the following:
Austin Fire Department, The University of Texas at Austin Police
Department, or Fire Prevention Services office.
- Behavior Concerns Advice Line (BCAL): 512-232-5050
- Information regarding emergency evacuation routes and emergency
procedures can be found at: www.utexas.edu/emergency