

Syllabus\*  
Intermediate Mechanics  
PHYS 335 (sec. 001); MW 4:00-5:15; BH 442

**Instructor:** Dr. Rick Mabry

**Office:**

BH 416; 797-5352;  
MW 3:15–4:00pm; TR 9:00–9:30 and 10:45am-12:30pm.

Other hours can occasionally be arranged by appointment. Note my class hours below, all in BH 442.

**MW:** 10:00–10:50 (MATH 223), 12:00-12:50 (MATH 150), 4:00–5:15 (PHYS 335)

**TR:** 9:30–10:45 (MATH 223), 12:30–1:45 (MATH 150)

**F:** 2:00–whenever (MATH 398/498)

**Email, Web page:** rmabry AT lsus DOT edu, [www.lsus.edu/rick-mabry](http://www.lsus.edu/rick-mabry)

**Text:** *Classical Mechanics* by John R. Taylor

**Outline:** The main topics in the course will come from chapters 1–11 of the text. A list of the main topics (less than 100% of which will be covered) is on the textbook’s website, below.

[www.uscibooks.com/tay2con.htm](http://www.uscibooks.com/tay2con.htm).

We will try to race through the first five chapters, in order to spend more quality time with the heavier, cooler stuff, starting in Chapter 6. We won’t be able to thoroughly cover all of chapters 6–11.

**Grades:** There will be a three tests and a final exam (see **Calendar**, below, for dates). The lowest of the three test scores will be dropped and the three remaining test scores will be averaged to compute the total *test score* (call it  $T$ ). For this reason (and others), the following will be strictly enforced: *any test missed without valid and verifiable excuse will be assigned a score of zero*, and the previous sentences apply.

The bulk of the grade, however, will come from a steady stream of worked solutions to assigned problems. A score on these problems (call it  $P$ ) will account for  $2/3$  of the final score:  $S = (T + 2P)/3$ .

The final grades will be assigned as follows for a given score  $S$ :

$$F < 50 \leq D < 60 \leq C < 75 \leq B < 90 \leq A.$$

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\*The instructor reserves the right to make announced changes as the semester progresses.

|                  |       |          |                            |                             |
|------------------|-------|----------|----------------------------|-----------------------------|
|                  | Mon.  | Jan. 14  |                            | First class. Howdy.         |
|                  | Mon.  | Jan. 21  |                            | Martin Luther King Holiday  |
|                  | Fri.  | Feb. 1   | Last day to drop without W |                             |
|                  | Wed.  | Feb. 6   | <i>Test #1</i>             |                             |
|                  | Mon.– | Feb. 11– |                            | Mardi – (no                 |
|                  | –Tue. | –Feb. 12 |                            | –Gras classes)              |
|                  | Thu.  | Feb. 28  |                            | Last day to change to Audit |
| <b>Calendar:</b> | Wed.  | Mar. 13  | <i>Test #2</i>             |                             |
|                  | Thu.  | Mar. 28  |                            | Last day to withdraw with W |
|                  | Fri.  | Mar. 29  |                            | Good Friday Holiday         |
|                  | Mon.– | Apr. 1–  |                            | SPRING– (no                 |
|                  | –Fri. | –Apr. 5  |                            | –BREAK classes)             |
|                  | Wed.  | Apr. 10  | <i>Test #3</i>             |                             |
|                  | Wed.  | May 1    |                            | Our last class.             |
|                  | Wed.  | May 8    | <i>FINAL EXAM</i>          | @ 4:00 pm                   |

Final exam schedule:

[www.lsus.edu/offices-and-services/records-and-registration/final-exam-schedule](http://www.lsus.edu/offices-and-services/records-and-registration/final-exam-schedule)

**You should have:** The tools of the trade: a scientific calculator (any kind) is a must; graph paper and a ruler are recommended. All of these are permitted for use on your tests.

**Student Email and Moodle:** You can use the online Moodle system to check your test grades, send and receive class messages, etc. I send announcements using the News Forum on our Moodle page.

*Check your official LSUS email daily* (or even dailier) to be sure you don't miss important messages from me and others at LSUS. I'm told you can have LSUS email forwarded to another account of your choosing. [www.lsus.edu/student-email](http://www.lsus.edu/student-email)

A link to Moodle is here: [moodle.lsus.edu/](http://moodle.lsus.edu/)

I might post items of interest on our unofficial Int Mech *home page*, here: [lsusmath.rickmabry.org/rmabry/phys355/](http://lsusmath.rickmabry.org/rmabry/phys355/)

I answer my email daily. (Seems more like hourly.)

**Disability Services:** LSUS will make reasonable accommodations for persons with documented disabilities. Students must notify the Coordinator of Services for Students with Disabilities located in the Student Development & Counseling Center (Administration Building, Room 227, 797-5365) and the instructor of any special needs.

**Code of Student Conduct:** Academic dishonesty will not be tolerated. Students should familiarize themselves with the code of student conduct found in the Student Handbook. Some possible sanctions for violating the code may include:

- loss of credit for the work involved
- grade of F in the course

- separation from the university for one or more semesters
- expulsion from the university

The Student Handbook is online here:

[www.lsus.edu/offices-and-services/policies-and-manuals/student-handbook/student-rights-and-responsibilities/student-conduct-code](http://www.lsus.edu/offices-and-services/policies-and-manuals/student-handbook/student-rights-and-responsibilities/student-conduct-code)

**Math Lab:** Take advantage of the computing power in the Math Lab, BH 404.