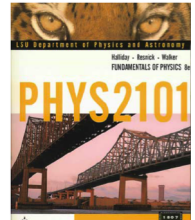


# PHYS2101 - Spring 2013

Section	Name	Days & Time	Location	Office, Phone, Email	Office Hours
1	William McElgin	8:30-9:20 MWF	Nicholson 109	368 Nicholson – 8-6912 <a href="mailto:mcelgin@lsu.edu">mcelgin@lsu.edu</a>	9:30-10:30, 11:30-12:30, 2:30-3:30 MWF
2	William McElgin	10:30-11:20 MWF	Nicholson 109	368 Nicholson – 8-6912 <a href="mailto:mcelgin@lsu.edu">mcelgin@lsu.edu</a>	9:30-10:30, 11:30-12:30, 2:30-3:30 MWF
3+11(ERC)	William McElgin	12:30 - 1:20 MWF	Nicholson 109	368 Nicholson – 8-6912 <a href="mailto:mcelgin@lsu.edu">mcelgin@lsu.edu</a>	9:30-10:30, 11:30-12:30, 2:30-3:30 MWF
4	Dubravka Rupnik	9:00 - 10:20 TTH	Nicholson 109	281 Nicholson, 8-8400, <a href="mailto:rupnik@phys.lsu.edu">rupnik@phys.lsu.edu</a>	10:30 - 11:00 TTH 3:-5:00 M (365, Nichol.)
5	Dubravka Rupnik	12:00 - 1:20 TTH	Nicholson 109	281 Nicholson, 8-8400, <a href="mailto:rupnik@phys.lsu.edu">rupnik@phys.lsu.edu</a>	1:30 - 2:20 TTH 3:-5:00 M (365, Nichol.)
7	Jiandi Zhang	1:30 - 2:50 TTH	Nicholson 109	229-A Nicholson 8-4103, <a href="mailto:jiandiz@lsu.edu">jiandiz@lsu.edu</a>	9:00 - 12:00 TTH
8+12(ERC)	Robert Beard	11:30- 12:20 MWF	Nicholson 119	362 Nicholson, 8-0019 <a href="mailto:rbear1@tigers.lsu.edu">rbear1@tigers.lsu.edu</a>	3:30 -5:30 MWF
9+14(ERC)	Rongying Jin	9:00 - 10:20 TTH	Nicholson 119	229-B Nicholson 8-0028, <a href="mailto:rjin@lsu.edu">rjin@lsu.edu</a>	10:30 - 12:00 TTH
10+13(ERC)	Robert Beard	1:30 - 2:20 MWF	Nicholson 119	362 Nicholson, 8-0019 <a href="mailto:rbear1@tigers.lsu.edu">rbear1@tigers.lsu.edu</a>	3:30 - 5:30 MWF

**Required Text:** Fundamentals of Physics, by Halliday, Resnick, and Walker, custom 9<sup>th</sup> edition is available in the bookstore and comes bundled with a *WebAssign* access code, which will be needed for homework assignments. You can also use the 8<sup>th</sup> or 9<sup>th</sup> regular edition, which contains all the chapters needed for Physics 2101, but the regular edition (or used books) does not come with *WebAssign* access, which you will need to purchase separately. You can purchase the access code with or without the E-book directly from *WebAssign* (<http://www.webassign.net/features/textbooks/hrw8/details.html?l=publisher>).



**Class WEB Site:** <http://www.phys.lsu.edu/classes/> or Moodle (HW Site: <http://webassign.net/student.html>)

## CLASS OVERVIEW:

- This calculus-based, college level physics course covers roughly chapters 1 through 20 of the text.
- It is assumed that everyone has credit in PHYS 1100 so the material in Chapters 1-6 (vectors, 1- and 2-D kinematics, Newton's laws) will only be reviewed but will be included as pre-required knowledge you should have. If you tested out of PHYS 1100, you will be assumed to know this material and should review it carefully if you don't remember it well.
- After the review the course assumes a more normal pace and will cover most of the section contained in chapters 7 – 20, with the exception of chapter 17, which will be skipped. The core material of the course covers concepts in mechanics, fluids, wave motion, and thermodynamics.
- The lecture schedule will specifically indicate sections of text that are covered on a given week. Students should read and become familiar with this material before coming to class.
- Course grade will be determined by weekly quizzes, weekly homework, three 1-hour tests, and 2-hour final (600 points total)
- *PHYS 2101* is a general Education Course in the Natural Science area.

## Homework:

- Homework assignments will be posted online at: <http://webassign.net/student.html> (details announced in class).
- Except when noted differently in class, due dates for homework assignments will be 11:59pm on Monday.
- Because full solutions will be available after the due date, no late HW will be accepted.
- There is no makeup homework.

## Quiz:

- There will be quizzes, typically weekly, based primarily on the HW problems due that week. The format will be at the discretion of individual instructors.

## Tutoring:

- If you do not understand the material or you experience difficulty in working the problems, seek help from the graduate

tutors in Room 102 of Nicholson Hall. You should check at that room for schedule times. Also see <http://www.phys.lsu.edu/newwebsite/academics/tutor.html> for additional information and times.

- The 2101 Supplemental Instruction leader will be announced. Details of office and help hours will be posted by the SI.
- Make sure you take advantage of the instructor office hours posted, this is usually a very under-used resource. You should feel free to go to any instructor's office hours if you have class conflicts with your own instructor's office hours; all sections follow the same schedule and use the same homework assignments.

**Exams:** There will be three 1-hour exams (Feb.5, Mar. 12, Apr.9) from 6 – 7 pm.

**Test Locations:** TBA

- All exams will be a combination of multiple-choice questions and work problems for which you *must* show your work.
- **The Final is Thursday, May 9 (3:00 – 5: 00pm) and is cumulative.** Students having three or more final examinations in a 24 hour period may request permission to take no more than two examinations on the day concerned. These requests should be made to the dean or director at the college or school in advance (before the required deadline).
- Old exams will be posted, but notice that the number of exams and material covered in them is different in different years.
- A formula sheet will also be provided and no other material is to be used during the exam. Notes, books, and crib sheets are strictly forbidden. No computers, beepers, pagers, cellular phones or other communication devices are allowed. You may *not* use the calculator within one of these devices. Formula sheets will be posted in advance of the exams.

**Grading:**

- HW – Webassign – 50 pts (grade computed at 95% of the total amount of points)
  - Quiz – 50 pts
  - Three regular exams (Tests 1, 2, and 3) – 100 pts. each
  - Final Exam – 200 pts (approximately half will be new material).
  - Your final grade will be based on 600 total points.
- A:** 88 - 100%    **B:** 77 - 88%    **C:** 60 - 77%    **D:** 50-60%    **F:** 0-50%

If your percentage grade is within these ranges, you are guaranteed the associated letter grade.

*A curve may be applied to the exam scores, but this will be done completely at the discretion of the panel of instructors. No single exam will be curved by more than 10%, and no further adjustments to individual exam scores will be made at the end of the semester.*

**2101 Tentative Schedule – Spring 2013**

<u>Week</u>	<u>Dates</u>	<u>Sections covered<sup>§</sup></u>	<u>Homework</u>	<u>Comments</u>
1	Jan. 14, 16, 18 (17, 19)*	Review Cha. 1-6		
2	Jan. 23, 25 (22, 24)	7.1-9	Hw1	
3	Jan. 28, 30 (29, 31), Feb. 1	8.2-8	Hw2	
4	Feb. 4, 6, 8 (5, 7)	9.2-11		
	<b>Feb. 5</b>	<b>TEST #1 – Chapt. 1-8</b>	<b>6 - 7 pm</b>	
5	Feb. 13, 15 (14)	10.2-6	Hw3	<i>Feb 11-12 Mardi Gras</i>
6	Feb. 18, 20, 22 (19, 21)	10.7-10, 11.2-4	Hw4	
7	Feb. 25, 27 (26, 28), Mar. 1	11.6-11,	Hw5	
8	Mar. 4, 6, 8 (5, 7)	12.2-5, 13.2-4	Hw6	
9	Mar. 11, 13, 15 (12, 14)	13.6-7, 14.2-7,	HW7	
	<b>Mar. 12</b>	<b>TEST #2 – Chapt. 9-12</b>	<b>6 - 7 pm</b>	
10	Mar. 18, 20, 22 (19, 21)	15.2-6, 16.2-6,	Hw8	
11	Mar. 25, 27, 29 (26, 28)	16.9-10, 16.12-13,	Hw9	
12	Apr. 1-5	<i>Spring break</i>		
13	Apr. 8, 10, 12 (9, 11)	18.2-9	Hw10	
	<b>Apr. 9</b>	<b>TEST #3 – Chapt. 13-16</b>	<b>6 - 7 pm</b>	
14	Apr. 15, 17, 19 (16, 18)	18.10-11, 19.2-5	Hw11	
15	Apr. 22, 24, 26 (24, 26)	19.8-11, 20.2-4	Hw12	
16	Apr. 29, May 1, 3, (Apr. 30, May 2)	20.5-7, Review?	Hw13	
	<b>May 9 (Thursday)</b>	<b>FINAL EXAM</b>	<b>3:00 – 5:00 pm</b>	
			<b>(~ 1/2 Chapt. 18-20 + ~ 1/2 Chapt. 1-16)</b>	

\* Dates in parenthesis are for TTH lectures

§ From 9<sup>th</sup> Ed HRW

**Disabilities**

If you have special requirements for taking exams (or other course-related activities), please follow the procedures with the **Office of Disability Services**, 112 Johnston Hall, and bring documentation from that office to your instructor a week before the affected activity.



## 2101 Spring 2013 Homework:

**WebAssign** ONLINE HOMEWORK AND GRADING

- You need to use [WebAssign](#) to view and submit the homework assignments. This is a commercial service. You will get a passcode bundled with the custom LSU edition of the textbook. If you don't buy the custom edition, you can purchase a passcode that entitles you to service in the Union Bookstore or you can pay on the WebAssign web site with a credit card.
- To log into WebAssign (<http://webassign.net/student.html>) for the first time, use the "CLASS KEY" option, which is different for each section. See table below for section details.



I HAVE A CLASS KEY +

Instructor	Section	Class Key
Will McElgin	Sec. 1	Isu 3301 3779
Will McElgin	Sec. 2	Isu 7142 4490
Will McElgin	Sec. 3+11(ERC)	Isu 0709 8770
Dubravka Rupnik	Sec. 4	Isu 3784 6749
Dubravka Rupnik	Sec. 5	Isu 0876 5274
Jiandi Zhang	Sec. 7	Isu 7178 0483
Robert Beaird	Sec. 8+12(ERC)	Isu 0245 3472
Rongying Jin	Sec. 9+14(ERC)	Isu 8522 3194
Robert Beaird	Sec. 10+13(ERC)	Isu 5302 7795

- When you get to the "Enroll with Class Key" : (at least I think so...)
  - Select "I already have a WebAssign Account"
    - Your Username is PAWS user name, i.e. the letters in your email address before the @.
    - Your Institution is "Isu" – all lower case.
    - There is no original Password. Change it once you log into the site
- There is a grace period when you can see and submit the assignments without an access code, afterwards you can only see the assignments once you buy the access code. When you login into WebAssign, you should see the 2101 class in the drop menu for "my classes"; if you don't, please contact your instructor so s/he can load your name in the roster. The first screen after logging in the class tells you how many grace days are left, and also gives you access to the online edition of the textbook.
- The eBook option includes access to an electronic version of the textbook and homework.