

Week	Day/Date	Assignment/Event	Due
1	Tues, Aug. 29	Intro to P105	
1	Thur, Aug. 31	SI #1 Vectors	Thur, Sept. 7
2	Tues, Sept. 5	HW#1: Motion	Tues, Sept 12
2	Thur, Sept. 7	SI#2: Motion	Thur, Sept. 14
3	Tues, Sept 12	HW#2: Trajectories	Tues, Sept 19
3	Thur, Sept. 14	SI#3: Trajectories	Thur, Sept. 21
4	Tues, Sept 19	Trajectories	
4	Thur, Sept. 21	SI#4: Forces in Equilibrium	Tues, Sept 26
5	Tues, Sept 26	HW#3: Forces in Equilibrium	Thur, Sept. 28
5	Thur, Sept. 28	Forces in Equilibrium	
6	Tues, Oct. 3	Test #1	
6	Thur, Oct. 5	SI#5: Forces 2nd Law	Week 7
7	Tues, Oct. 10	HW#4: Forces 2nd Law	Week 8
7	Thur, Oct. 12	SI#6: Forces 2nd Law, 2 body	Week 8
8	Tues, Oct. 17	HW#5: Forces 2nd Law, 2 body	Week 10
8	Thur, Oct. 19	SI#7: Circular Motion	Week 10
9	Tues, Oct. 24	HW#6: Circular Motion	Week 11
10	Thur, Oct. 26	SI#8 : Energy	Week 11
10	Tues, Oct. 31	HW#7: Energy	Week 11
11	Thur, Nov. 2	Test #2	
11	Tues, Nov. 7	SI #9: Momentum	Week 13
12	Thur, Nov. 9	HW #9: Momentum	Week 13
12	Tues, Nov. 14	SI #10: Rotational Equilibrium	Week 14
13	Thur, Nov. 16	HW #10: Rotational Equilibrium	Week 14
13	Tues, Nov. 21	SI #11: Rotational Dynamics	Week 15
14	Thur, Nov. 25	HW #11: Rotational Dynamics	Week 15
14	Tues, Nov. 28	Pressure	Week 15
15	Thur, Nov. 30	Test 3	

15	Tues, Dec. 5	Return test 3, parting words	
16	Mon, Dec. 11	Practice Final #1	
17	Tues, Dec. 12	Practice Final #2	
17	Wed, Dec. 13	Final Exam	

Week 1 (8/28/17-9/01/17): a. Please watch the [Scientific Method](#) video.
b. Here is a [link](#) to the syllabus (there is no assignment from the HW pages this week) & HW pages.
c. In your text read Chapters 1. Focus on Physical Quantities and Units. Read up to Vectors, Scalars, and Coordinate Systems in Chapter 2.
d. Here is a [link](#) that will give you more info concerning Vectors. We will not be visiting Dot Product/Cross Product and beyond.
e. Start Vector SI worksheet in the P105 HW & SI Workbook. Due on Thursday next week.
f. please fillout the [first day questionnaire](#) and turn in the first lecture day (Feb. 21, 10:45 AM).
g. You need to buy the P105 lab manual for my sections of P105 from the GCC bookstore. My name is on the cover. A picture of the cover is below WEEK 16.
h. if you are interested in finding more about ideas, concepts, or items that I consider important, here is a [link](#).
i. Watch this [TED video](#) and read this [article](#). In one paragraph give me your thoughts on ONE of these media. There is a section on the [first day questionnaire](#) to complete this.
j. email (jgerz@glendale.edu) me a question concerning science (not biology), the economy, jobs, or politics. I will answer many of these questions as students enter CR 137 before the lectures on Tuesdays and Thursdays.

Week 2 (9/04/17-9/08/17): a. Please answer questions on the Supplemental Instruction (SI) worksheet and be prepared to hand the answered questions on Thursday.
b. Start SI worksheet for motion. Answers due Thursday of the third week.
c. Complete reading Chapter two in the College Physics digital textbook.
d. [Link](#) to Khan Academy 1-D motion page

Week 3 (9/11-9/15): a. Motion SI problems due Thursday.
b. [Link](#) to Khan Academy 1-D motion page
c. Start HW problems for motion. Due Tuesday the fourth week.
d. Read Sections 3.1, 3.4, & 3.5 in the College Physics digital textbook.
e. Start SI worksheet for trajectory. Answers due Thursday of the fourth week.
f. [Link](#) to Khan Academy 2-D motion page

Week 4 (9/18-9/22): a. Motion HW problems due Tuesday.
b. Read Sections 4.1, 4.2, 4.3, & 4.4 in the College Physics digital textbook.
c. Start HW worksheet for trajectory. Answers due Tuesday of the fifth week.
d. Start SI problems for forces in equilibrium. Due Thursday the fifth week.
e. Start HW worksheet for forces in equilibrium. Answers due Tuesday of the sixth week.
f. Trajectory SI problems due Thursday.

Week 5 (9/25-9/29): a. Trajectory SI problems due Tuesday.
b. Start the SI worksheet for forces. Answers due Tuesday of the sixth week.
c. Start the HW worksheet for forces. Due **Tuesday** the sixth week.
d. EXAM Thursday (10/2, sixth week) BRING BLUEBOOKS!
e. Here is the [link](#) to Newton's 2nd Law car crash videos.

Week 6 (10/02-10/06): a. forces in equilibrium SI problems due Tuesday.
1 Start the SI worksheet for forces: 2nd law. Answers due Tuesday of the eighth week.
2 HW problems for forces: 2nd law due Thursday the eighth week.
3 First semester exam Tuesday Oct 03. BRING BLUEBOOKS!

Week 7 (10/09-10/13):

a. Start Newton's Second Law of Forces in Lecture
b. forces 2nd Law one body SI#5 & HW#4 problems should be done by Tuesday next week..
c. Start the SI#6 worksheet for forces: 2nd law 2-body.
d. Start HW#5 problems for forces: 2nd law 2-body.
e. Forces 2nd Law one body SI problems answers [here](#).

Week 8 (10/16-10/20): a. Finish forces 2nd Law 2-body SI#6.
b. Finish forces 2nd Law 2-body HW#5.
c. Start the SI worksheet for Circular Motion. Due in the tenth week.
d. Start the HW problems for Circular Motion. Due in the tenth week.
e. Assignments from **College Physics** etext.
More Forces: 4.5, 4.6, 4.9
Friction: 5.1
Circular Motion: 6.1, 6.2, 6.3
f. [Link](#) to **Khan Academy Circular Motion**.

Week 9 (10/23-10/27):

- a. SI worksheet for Circular Motion due.
 - b. Start the SI worksheet for Energy. Answers due in the tenth week.
 - c. Start the HW problems for Planetary Motion. Answers due next week.
 - d. HW problems for Circular Motion due this week.
 - e. Start SI worksheet for energy. SI worksheet for Energy due next week.
 - f. Start HW for energy. HW for Energy due next week.
 - g. Test 2 on Thursday Oct 30. BRING BLUEBOOKS!
 - h. Reading assignments from **College Physics** etext.
- Energy: 7.2, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.10

Week 10 (10/30-11/03):

- a. Test 2 on Tuesday Oct 31. BRING BLUEBOOKS!
- b. The further adventures of Energy & intro to collisions
- c. Start work on Collisions SI & HW worksheets
- d. more info on [momentum/collisions](#) from the Khan Academy
- e. Reading assignments from **College Physics** etext.

Momentum: 8.1, 8.3, 8.4, 8.5, 8.6

Torque: 9.1, 9.2, 9.3, 9.6

Rotation 10.1, 10.2, 10.4,

Pressure: 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.9

Week 11 (11/06-11/10): [Link](#) to complete solutions for select SI & HW problems

- a. Finish collisions start rotation
- b. Start work on Rotational Equilibrium SI & HW worksheets.
- c. Collisions SI & HW problems due.
- d. [Answers for Collision SI & HW](#)
- e. Start work on Rotational Equilibrium SI & HW worksheets.
- f. [Link](#) to Kahn Academy and Momentum. View the all 4 videos
- g. [Link](#) to Kahn Academy and Torque. View the first 5 videos.

Week 12 (11/13-11/17):

- a. finish Rotation EQ & Rotational Dynamics, start Elasticity
- b. [Answers for Rotational Equilibrium SI & HW.](#)
- c. more info on [angular velocity](#) from the Khan Academy
- d. Test 3 on Thursday May 28. BRING BLUEBOOKS! Put your name and lab day on front.
- e. Start work on Pressure SI & HW worksheets.
- f. [Answers for Rotational Dynamics SI & HW.](#)

Week 13 (11/20-11/24):

- a. Finish Pressure
- b. Thanksgiving, Thurs 11/23

c. Test 3 on Thursday Dec 1. BRING BLUEBOOKS! Put your name and lab day on front.

Week 14 (11/27-12/01):

a. Test3 Thursday.

Week 15 (12/04-12/08):

a. semester wrap up

b. Return Test3.

Week 16 (12/11-12/15):

a. Practice Final Parts 1 and 2.

b. Final Exam Wed. June 14

John Gerz' Physics 105 Lab Manual Fall 2017

