

Physics 211 General Physics with Calculus Syllabus, Fall 2020

Instructor: Daniel Summerton

Lab Instructor: Kelby Hahn

Instructor e-mail: summerd@linnbenton.edu

Lab Instructor e-mail: hahnk@linnbenton.edu

Due to the current Covid 19 pandemic Physics 211 will be taught entirely online. The general format of the lecture portion of the class is outlined below.

Monday: A lecture covering the week's material will be posted on Moodle. The week's homework and HIP will be posted on Moodle.

Wednesday: I will be hosting a live zoom session to go over questions and manage breakout sessions for group work. The sessions will begin at 5 pm and go till 7 pm. This will be recorded and posted on moodle.

Thursday: Online lab meeting. Time depends on registration. Find zoom link at

<http://minirov.info/ph211/>

Contact Kelby Hahn for questions regarding the labs.

Friday: Chapter HIP will be due by midnight.

Sunday: Weekly homework will be assigned Monday due Sunday at midnight. .

See the schedule below for further details.

Physics 211 introduces the core concepts of classical mechanics including forces, momentum energy and motion.

Math requirements for this class and for physics in general

Math is the language of a large part of what we do in physics.

Completion of MTH 251 (Differential Calculus) with a "C" grade or better.

Completion of MTH 252 (Integral Calculus) with a "C" grade or better.

Required Materials for the Class:

Textbook – Knight 4 th Edition “Physics for Scientists and Engineers” , 3rd Edition would work as well.

Computer and webcam with internet access.

Grading:

HIPs: 20%, assigned on Monday of each week. Due on Friday of each week at midnight.

Requirements: HIPs must be handwritten, scanned and uploaded to gradescope. All work must be shown to receive full credit. Two late HIPs will be accepted for full credit if less than a week late. Additional late HIPs will receive half credit. HIPs will be graded based on correctness, work shown and legibility. If a problem is unsolvable, an explanation is required

Weekly Homework: 15% Assigned Monday and due Sunday at midnight. Must be submitted as a handwritten PDF scanned into grade scope.

Labs: 20%: Live Zoom lab sessions will be held every week during their regularly scheduled times. Informal group lab reports will be due on Gradescope at the end of each lab session. Contact Kelby Hahn (hahnk@linnbenton.edu) if you are unable to attend your scheduled time, will be more than 10 minutes late, or have any questions.

Exams: 45%: Three equally weighted exams will be given, each covering the material since the previous exam. The exams will be sent out Wednesday at 5 pm and will be due back by Wednesday at 7 pm. The exams must be returned as a handwritten single pdf attachment.

Regarding Grade scope: I will be experimenting with Grade scope for the first 2 weeks of class. If I don't like it, I will change HIP and homework submission to e-mail.

Grading Scale:

90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
< 60%	F

Other possible grades at LBCC:

I -- Incomplete.

Students in need of accommodations: Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor during the first week of class. If you have not accessed services and think you may need them, please contact Disability Services, 541-917-4789.

Tutoring and Tass sessions:

link to tutoring page

<https://www.linnbenton.edu/current-students/study/learning-center/tutoring/>

Tass schedule help via zoom will be posted as soon as it is available at

<http://minirov.info/ph211/>

28-Sep	30-Sep	1-Oct	2-Oct
Chapter 1 lecture, HIP1 assigned	Chapter 1 meeting	Lab#1	HIP1 Due
5-Oct	7-Oct	8-Oct	9-Oct
Ch 2 lecture, HIP2 assigned	Ch 2 meeting	Lab#2	HIP2 due
12-Oct	14-Oct	15-Oct	16-Oct
Lecture Ch3, HIP3 assigned	Ch 3 meeting	Lab#3	HIP3 due
19-Oct	21-Oct	22-Oct	23-Oct
Lecture CH4, HIP 4 assigned	EXAM 1 (ch1-4)	Lab#4	HIP4 due
26-Oct	28-Oct	29-Oct	30-Oct
Lecture ch 5, HIP 5 assigned	Ch 5 meeting	Lab #5	HIP 5 due

2-Nov	4-Nov	5-Nov	6-Nov
Lecture Ch 6, HIP 6 assigned		Lab#6	HIP6 due
9-Nov	11-Nov	12-Nov	13-Nov
Lecture Ch 7, HIP 7 assigned	Veterans Day, No meeting	Lab 7	HIP7 due
16-Nov	18-Nov	19-Nov	20-Nov
Lecture CH 8, HIP 8 assigned	EXAM 2 (ch 5-8)	Lab#8	HIP8 due
23-Nov	25-Nov	26-Nov	27-Nov
Lecture Ch 9, HIP 9 assigned	Ch 9 meeting	Thanks Giving, No Lab	HIP9 due
30-Nov	2-Dec	3-Dec	4-Dec
Lecture Ch 10, HIP 10 assigned	Ch 10 meeting	Lab#9	HIP10 due
7-Dec	9-Dec	10-Dec	11-Dec
Term review, HIP 10 assigned	Exam 3 (comprehensive)		