

COLLEGE PHYSICS I – 15-PHYS-2001
Course Syllabus - Summer Semester 2018
(Syllabus is subject to modification)

Section 001 Lecture	M·W·Th 8:00 – 9:00am Braunstein 301 e-mail: lora.sheppard@uc.edu	Prof. Lora Sheppard <i>Office Hours:</i> Thurs 9:00 – 10:00am or by appt <i>Office:</i> 434 Geology Physics Bldg
Section 002 Recitation	Tues 8:00 – 9:00am Braunstein 309 e-mail: sancheel@mail.uc.edu	Manny Sanchez (TA) <i>Office Hours:</i> Tues/Thurs 9:00 – 10:00am <i>Office:</i> 304 Geology-Physics Bldg
Section 003 Recitation	Tues 8:00 – 9:00am Braunstein 312 e-mail: ljepojar@mail.uc.edu	Aleksandar Ljepoja (TA) <i>Office Hours:</i> Tues/Thurs 2:00 – 3:00pm <i>Office:</i> 304 Geology-Physics Bldg

COURSE MATERIALS: **Do NOT purchase from the bookstore or Amazon! Instructions for obtaining course materials are posted on blackboard.**

- *PHYSICS FOR SCIENTISTS AND ENGINEERS* by Serway and Jewett, (9th Edition) and Enhanced WebAssign access code. **Note: WebAssign comes with e-book version.**
- *TurningPoint Clicker and License*

BLACKBOARD: Students must pay attention to information posted in his/her blackboard page on a daily basis. All class materials, recitation materials, and exam information will be posted here.

RECITATIONS: Recitations begin the first week of classes. All recitation classes will use worksheets posted on Blackboard in the “Recitation” tab on the left side in the Blackboard course. Attendance in and assignments completed for recitation DO count towards the lecture grade for this course.

EXAMS: This course will have three midterm exams and a final exam given during the last week. **All exams will be given from 8:00-9:15am (1 hr 15 min)** and are **May 24, June 21, July 19, and August 1**. Please keep your schedule open on exam days as **there are no make-up exams**. The exams will consist of problems and questions similar to the homework problems, examples from the text, recitation exercises, and problems and questions discussed in class. An equation sheet will be provided on each exam. Calculators are permitted (any scientific, TI-83, or TI-84 models are acceptable).

MAKE UP EXAMS: Generally not permitted

Any student who knows he or she will miss an exam, MUST discuss this with his/her lecture instructor in advance. If the reason for a missed exam is acceptable based on university guidelines (e.g. participation in university affiliated sporting events, university sponsored trips, academic conferences, serious medical related reasons, etc...) AND the student is able to provide appropriate documentation to his/her lecture instructor, then a make-up exam will be scheduled for the student. All make-ups are given before the actual exam, so students cannot wait until the day before the exam to discuss this with his/her instructor. A notice of one week is required. Only students with instructor permission will be allowed to take the make-up exam. If the reason a student will miss an exam is not considered acceptable based on university guidelines (such as student is scheduled to work), the student is not eligible for the make-up exam and will be given a zero on the missed exam. Students who have a true medical emergency on the day of the exam AND can provide appropriate documentation to his/her lecture instructor, may replace the exam with his/her score on the final exam.

QUIZZES/OTHER ASSIGNMENTS: Several quizzes or other assignments (e.g. clicker questions, group work, worksheets) will be given during lecture or as additional assignments. These are announced in class and are posted in the Weekly Pacing Guide on Bb. Late work is NOT accepted unless there is a medical reason with provided documentation.

HOMEWORK PROBLEMS: Students will be required to complete homework assignments from **Enhanced WebAssign**, a web-based homework system. Check the WebAssign website for the scheduled assignments. Students will also be required to submit **written solutions** of all their homework problems to their recitation TAs. The homework score across a given week (usually one chapter) includes the points for each problem in WebAssign and 10 pts for the written solutions for the week. **Homework extensions are NOT given unless there is a medical reason with provided documentation.**

ATTENDANCE: You are **required** to attend all classes except in the case of an emergency or an excused absence (e.g. participation in university affiliated sporting events, university sponsored trips, academic conferences). Clicker points may be made up *if* the absence is an excused reason and the student completes & turns in the problems missed on that day. Students may obtain this work by emailing their lecture instructor at least one day before his/her absence.

LABORATORY: Although the topics align, the laboratory course is a separate course with its own procedures, grading policies, etc. Because lab is its own 1 credit course, it does not impact your lecture grade. See PHYS 2001L on Blackboard for lab information & contact your lab TA or the lab coordinator, Larry Bortner for questions about lab.

CONDUCT: The University Rules, including the Student Code of Conduct, and other documented policies of the department, college, and university related to academic integrity will be enforced. Any violation of these regulations, including acts of plagiarism or cheating, will be dealt with on an individual basis according to the severity of the misconduct.

WITHDRAWAL: The last day to withdraw and receive a grade of "W" with the instructor's signature is **July 13th**. **Always discuss with your lecture instructor before withdrawing.** See <http://www.uc.edu/bursar/calendar.html>

GRADING:	Exam 1	12%	
	Exam 2	12%	
	Exam 3	12%	
	Final Exam	24%	
	Recitation	10%	
	Recitation HW	5%	
	WebAssign HW	10%	(6.7% for online work, 3.3% for written out solutions)
	<u>Participation/Quizzes</u>	<u>15%</u>	(these are in-class points determined by your instructor)
	Total	100%	

Letter grades for the course will be assigned using the total course points with the following **approximate** guidelines:

100% - 88%: A/A-	87% - 75%: B+/B/B-	74% - 62%: C+/C/C-
61% - 50%: D	49% - 00%: F	

STUDY RESOURCES:

- Since new material builds on previous content, it **is very important** that you **do not fall behind**. If you do, it will be very difficult to catch up. See your instructor if that were to happen.
- You are encouraged to attend the office hours of your instructor, recitation TA, and LA or SI Leader (if applicable) to clarify concepts and get help when you do not understand any of the material being covered.

PHYSICS LEARNING CENTER:

- If you need help in understanding physics content or in solving problems, you can drop in the Physics Learning Center which is staffed by graduate TAs. This is a free service and no appointment is needed. The Center is located in Room 303 in the Geology/Physics building. Typical coverage is between 9 am and 5 pm weekdays and the schedule is posted on the door or at www.artsci.uc.edu/departments/physics/resources/AcademicResources.html

LEARNING ASSISTANCE CENTER (LAC)

- Located in French Hall West, Suite 2441, the LAC offers one-on-one tutoring for this course. You can schedule an appointment to improve your understanding of the course content as well as develop effective study strategies. To schedule an appointment or learn more about what the LAC has to offer go to: <http://www.uc.edu/aess/lac.html>

TENTATIVE PACE OF COLLEGE PHYSICS I - SUMMER SEMESTER 2018

Week #	Dates	Reading Assignments and Exams
1	May 7 – 11	CH. 1: Physics and Measurement (Review on own; not covered in class) CH. 2: Motion in One Dimension CH. 3: Vectors
2	May 14 – 18	CH. 3: Vectors CH. 4: Motion in Two Dimensions
3	May 21 – 25	CH. 4: Motion in Two Dimensions CH. 5: Forces & Laws of Motion Exam 1: Thursday, May 24th 8:00 – 9:15am (Ch. 1 – Ch. 4)
4	May 28 – Jun 1	CH. 5: The Laws of Motion UC Holiday: May 28th – Memorial Day (no class)
5	June 4 – 8	CH. 6: Circular Motion and Other Applications of Newton's Laws CH. 7: Energy of a System
6	June 11 – 15	CH. 7: Energy of a System CH. 8: Conservation of Energy
7	June 18 – 22	CH. 9: Linear Momentum and Collisions Exam 2: Thursday, June 21st 8:00 – 9:15am (Ch. 5 – Ch. 8)
8	June 25 – 29	CH. 10: Rotation of a Rigid Object About a Fixed Axis
9	July 2 – 6	CH. 12: Static Equilibrium and Elasticity UC Holiday: July 4th – Independence Day (no class) NO CLASS: July 5th – online lecture will be assigned
10	July 9 – 13	CH. 11: Angular Momentum CH. 14: Fluid Mechanics Exam 3: Thursday, July 12th 8:00 – 9:15am (Ch. 9 – 12)
11	July 16 – 20	CH. 14: Fluid Mechanics CH. 19: Temperature CH. 20: The 1 st Law of Thermodynamics
12	July 23 – 27	CH. 20: The First Law of Thermodynamics CH. 21: The Kinetic Theory of Gases CH. 22: Heat Engines, Entropy, and the 2 nd Law of Thermodynamics
13	July 30 – Aug 3	Wrap up & Review FINAL EXAM: Wednesday, August 1st 8:00 – 9:15am (cumulative) NO CLASS Thursday, August 2nd

Counseling Services, Clifton Campus

Students have access to counseling and mental health care through the University Health Services (UHS), which can provide both psychotherapy and psychiatric services. In addition, Counseling and Psychological Services (CAPS) can provide professional counseling upon request; students may receive five free counseling sessions through CAPS without insurance. Students are encouraged to seek assistance for anxiety, depression, trauma/assault, adjustment to college life, interpersonal/relational difficulty, sexuality, family conflict, grief and loss, disordered eating and body image, alcohol and substance abuse, anger management, identity development and issues related to diversity, concerns associated with sexual orientation and spirituality concerns, as well as any other issue of concerns. After hours, students may call UHS at 513-556-2564 or CAPS Cares at 513-556-0648. For urgent physician consultation after-hours students may call 513-584-7777.

Counseling Services, Blue Ash Campus

UC Blue Ash Counseling Services provides high quality integrated health, counseling, and wellness services. Mental Health and personal counseling services are free of charge to students who are matriculated as UC Blue Ash College students. Services address student needs such as self esteem, family conflict, loss and grief issues, adjusting to life's challenges, relationship problems, eating disorders, physical and/or emotional abuse, and domestic violence. Students who want an initial meeting with a counselor can call (513) 745-5670 or stop by Room 140 Muntz Hall to schedule an appointment. If after hours, please call CAPS Cares (main campus) using the 24 Hour Phone Consultation Line at 513-556-0648.

Counseling Services, Clermont Campus

The Compass Counseling Center provides students assistance in helping to deal with life's stressors and adjustment to college life. **All services provided to UC Clermont students are free and confidential.** Some of the most common issues addressed at the center include transition to college life, stress from home, classroom performance, depression, anxiety, relationship problems, grief and loss, and substance abuse. Students are welcome and encouraged to walk into the Compass Counseling Center located in the Student Services Building, Room 201. Students may contact the office by calling (513) 732-5263. If after hours, please call CAPS Cares (main campus) using the 24 Hour Phone Consultation Line at 513-556-0648.

Title IX

Title IX is a federal civil rights law that prohibits discrimination on the basis of your actual or perceived sex, gender, gender identity, gender expression, or sexual orientation. Title IX also covers sexual violence, dating or domestic violence, and stalking. If you disclose a Title IX issue to me, I am required forward that information to the Title IX Office. They will follow up with you about how the University can take steps to address the impact on you and the community and make you aware of your rights and resources. [Their priority is to make sure you are safe and successful here.](#) You are not required to talk with the Title IX Office. [If you would like to make a report of sex or gender-based discrimination, harassment or violence, or if you would like to know more about your rights and resources on campus, you can consult the website \[www.uc.edu/titleix\]\(http://www.uc.edu/titleix\) or contact the office at 556-3349.](#)