

Syllabus

COLLEGE PHYSICS 123x Fall 2023

4 credits

Online asynchronous course with weekly assignments (quizzes, homework and labs)

Instructor: Dr. Michael M. Hull

Office: In the Physics Department: Rm 120 REIC. Tel. 907-474-6106 Tel. 474-7339 (Physics office)

Email: mmhull2@alaska.edu (please allow two business days for a response)

Office Hours: Physics Dept. (Rm. 120): Thursday 10:00-noon (hybrid, online option via Zoom)

Lab TA

TBD

Office: TBD

TA office hours

https://docs.google.com/document/d/1QaoyM4ng0xhzVo2I7KIMShfPOWCgu5R0Az4YxnHSeA/edit?usp=share_link

Weekly Homework Help Sessions: We will hold Online Help Sessions via Zoom. On campus, you can drop by my office and/or make an appointment. The Physics Department also holds Homework help sessions in the Physics conference room (REIC 122). The schedule is here:

https://docs.google.com/document/d/1R4HMyHcyRH1moOG06uekHsrAixLoEITqIXGZ8xrmW48/edit?usp=share_link

Class Management System: UAF Canvas

COURSE SPECIFICS:

Prerequisites: High school algebra, trigonometry and geometry, placement in ENGL F111x or higher, placement in DEVM F105 or higher, or permission of the instructor (me).

Note: The "Math and Graphing Prep" Lab is a very good indicator on your math preparation.

Course Content:

Physics 123 is a very fast paced course which will cover chapters 1-17 in the free online OpenStax Physics text (<https://openstax.org/details/books/college-physics>). The course emphasizes critical reasoning and sensemaking in physics. The topics covered and tentative schedule is as follows:

Due Friday at 23:59	HW #	Homework due on these chapters	Quiz / Exam
9/1/2023	1	1 and 2: Kinematics	
9/8/2023	2	3: Two-dimensional kinematics	

