

Department of Physics policy on labs and remote labs for Fall 2020

While some forms of education translate well to distance learning, hands-on labs are more challenging. We understand that students may be trying to balance a number of competing goals - personal health and safety, a desire to make degree progress, and optimal opportunities to learn. To this end, we have instituted the following policy:

- Students in **PHYS-UA 11 General Physics I** and **PHYS-UA 12 General Physics II**, who choose to take labs remotely will have recorded versions of all labs available for them. They can engage in remote office hours with the lab instructor to ask questions and get help with the lab.
- Students in **PHYS-UA 71 Introductory Experimental Physics I** will be engaging in a semester-long exercise that will be able to be done remotely. However, for students who feel this may be challenging to perform fully remotely have the option to substitute CSCI-UA.0101 or alternatively CSCI-UA-0002 for students no prior experience in programming. This substitution applies for first year students or students taking **PHYS-UA 91 Physics I** only and may be done with permission of the instructor and DUS.
- Students in **PHYS-UA 73 Intermediate Experimental Physics I** can opt to pursue labs remotely by using videos of the performed labs and asking questions of the lab instructor during office hours. However, for students who feel this may be challenging to perform fully remotely have the option to substitute CSCI-UA.0101 or alternatively CSCI-UA-0002 for students no prior experience in programming. This substitution applies for second year students or students taking **PHYS-UA 95 Physics III** only and may be done with permission of the instructor and DUS.
- Students in either **PHYS-UA 71 Introductory Experimental Physics I** or **PHYS-UA 73 Intermediate Experimental Physics I** may substitute an independent study experimental physics project advised by a member of the Physics Department faculty. The advisor must attest that the level of engagement and activity was at the level expected for A level work for **PHYS-UA 71** or **PHYS-UA 73**. Substitutions for **PHYS-UA 71** are allowed for first year students or students taking **PHYS-UA 91 Physics I** only and may be done with permission of the instructor and DUS. Substitutions for **PHYS-UA 73** applies for second year students or students taking **PHYS-UA 95 Physics III** only and may be done with permission of the instructor and DUS. This project must be completed by the end of Spring 2022 (i.e., by the end of next academic year).
- **PHYS-UA 112 Advanced Experimental Physics** can be taken remotely or in person. Remote projects and in-person projects do not involve the same course material, and in-person students will have the option to switch to remote projects following the completion of the first lab (after the Oct. 7th class).

All classes can be taken for a letter grade or pass/fail, including remotely, subject to department and CAS policies.

All above substitutions must be approved by the Drop/Add deadline for Fall 2020 by the instructor and the DUS and apply as replacements for courses in Fall 2020 only.