

Spring 2020

## PHYS 450-002: Advanced Physics Lab (Amendments for Remote Learning)

Jan Opyrchal

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Dear Students

This is an amendment to the syllabus for Physics 450.

As all of you know all classes at NJIT are cancelled to slow down spreading COVID-19. It is impossible to stop the virus before semester ends. We must change the way we operate right now.

I can't have any students coming to NJIT. It affects all the laboratories. I believe that most of you finished collecting data for experiment 2. In that case, you must continue writing the paper and submit it to Canvas in the right time. **(Please read the syllabus again from Canvas to see the requirements – the papers I already graded indicate that you don't know the Syllabus)**

I grade the first papers – I am slow this year because I had to adopt to new unwelcome circumstances. I have to work with Physics Dept to adjust to new world. I'll grade them as soon as possible.

Some of you that have not finished the second experiment – please contact me and tell me what you are missing. We will discuss the possibilities.

### EXPERIMENT III

There are few options that you must help me to choose from.

1. Find a video of an experiment done by other universities or companies.

I would like you to find experiment you are interested in and prepare a presentation on Webex. Each one of you will have about 50 minutes for presentation. After each presentation, I expect discussion – each one of listeners should ask questions. I expect three Webex presentations per meeting so it would take 3 to 4 weeks to finish the presentations. I would like to start at the beginning of April and finish at the last day of our meetings in April.

I expect you to reserve a date for presentation. You have to do as soon as possible because I can't have 11 presentations on the last day.

2. At the time for the third experiment, I (hopefully) will create a video(s) from one or two of the experiments. Watching the video you'll make your notes and collect the data. These data you'll use to write the paper #3.

3. You may have some other interesting propositions. I'll hear all of them.

The Power Point Presentations from your experiments made in 450 labs (included in the regular Syllabus) will start at the beginning of May - when we finish the presentations of online labs.

On Fridays at 1.00 PM as usual we'll have meetings using Webex. I'll email all of you the instructions how to get to the videoconference.

Right now, please stay healthy and don't drink Clorox or Lysol to protect yourself. All experiments on Clorox and Lysol don't prove any health improvement if you drink them.

Jan