

Faculty of Mathematics
University of Waterloo
AMATH473/673, PHYS454 Advanced Quantum Mechanics
Final Exam - Fall Term 2020

Time: 12:00pm-1:40pm + 40min for upload to Crowdmark

Date: December 18, 2020.

Important:

(A) The solutions need to be handwritten on paper. Each page needs to be uploaded to Crowdmark twice, once plain (same as for homework), and once as a selfie with your Watcard or other official ID with picture and name. Example pictures are linked to on the course's home page. It's the same procedure as for the midterm.

(B) You are allowed to use the lecture notes for this exam. You are not allowed to communicate with others during the exam. Except, you can communicate with the instructor via email if a question is unclear.

(C) If a problem asks to give nontrivial examples then these must be examples that you yourself come up with. This means that your examples cannot be examples from textbooks and exercises or any other source that is not you. There is no need to make the examples extra complicated. But the examples must be nontrivial enough so that it is very unlikely for someone else to come up with the same example.

(D) I am very sorry to have to say this, and of course this concern doesn't apply to most of you, but plagiarism is a very serious matter because exams absolutely have to be fair for all. Therefore, I have to tell you that when a case of plagiarism is found, then I really have no choice. As a prof, I am obliged to report each and every case to the Associate Dean. Folks, please spare me having to do that! In cases where plagiarism is only suspected but not clear, the involved students may have to do an oral exam online.

(E) Your answers must be stated in a clear and logical form in order to receive full marks.