

Date: July 7, 2022

To: Physics Current and Incoming Students, Faculty and Administrators

From: Prof. Giovanni Ossola, Qualifying Exam Committee Chair

Re: August 2022 Physics First Examination – In-person

The Physics First Examination (Qualifying Exam) is scheduled to be administered **in-person** in 2 sessions during the month of **August 2022**. Each session will be a test of 2 subject areas and students will be provided with a time of 2 hours for each subject test, with a 30-minute recess between tests. Please see below for exam dates, times, grading standards, registration instructions, and other essential information.

**Required Subject Tests:** All students are required to take Electromagnetism, Quantum Mechanics and Statistical Mechanics. General track students are required to take Analytical Dynamics. Students in the Photonics track are required to take the Photonics test in lieu of Analytical Dynamics.

**Who Must Take this Exam:** All students who have not passed one or more of the required subject tests as prescribed by their chosen track (see Required Subject Tests) must take this exam. Students who did not pass one or more subject tests in their 2nd or higher attempt must submit an **Appeal Letter** and a **support letter from their advisor** to take the August 2022 exam. Appeal documents must be submitted to Daniel Moy, [dmoy@gc.cuny.edu](mailto:dmoy@gc.cuny.edu) on or before **July 13, 2022**.

**Note to all Incoming doctoral students:** You are eligible to take this exam (one or more subjects) as a free, no-penalty attempt. If you pass a subject test, you will be officially recorded as passing that subject. If you fail a test, it will *not* count as a failed 1<sup>st</sup> attempt. You are encouraged to register and take this exam, as it will also serve us to better guide you in your selection of first-year courses. Please do not register for this examination unless you fully intend to take 1 or more of the tests.

**Grading Standards:** Subject tests are graded and passed individually, and students have 2 attempts to pass each subject test. The name of the student is kept hidden during grading.

#### Examination Schedule, Subject Areas & Room Locations

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Statistical Mechanics, 10:00 AM – 12:00 PM</li><li>• Electricity and Magnetism, 12:30 PM – 2:30 PM</li></ul>    | } Session #1, Tuesday, August 16 <sup>th</sup> ,<br>rooms #9205, #9206, #9207, #9100 (Kelly Skylight)   |
| <ul style="list-style-type: none"><li>• Quantum Mechanics, 10:00 AM – 12:00 PM</li><li>• Analytical Dynamics or Photonics, 12:30 PM – 2:30 PM</li></ul> | } Session #2, Wednesday, August 24 <sup>th</sup> ,<br>rooms #9205, #9206, #9207, #9100 (Kelly Skylight) |

#### Registration Instructions & Exam Procedures

To register for this exam, please email Daniel Moy at the Graduate Center's doctoral Physics Program office: [dmoy@gc.cuny.edu](mailto:dmoy@gc.cuny.edu). E-mail registration is **required**. **Registration deadlines: Current Students - Monday, 18 July 2022; Incoming Students - Monday, 1 August 2022.**

Upon registration, doctoral students will be assigned a Registration Number and provided with exam instructions. Please note that **your Registration Number must be written on all sheets of the exam. DO NOT WRITE YOUR NAME ON ANY OF YOUR ANSWER SHEETS.**

#### Special Note to City College of New York Master's Students

You must request registration and direct all questions to Prof. Timothy Boyer, [tboyer@ccny.cuny.edu](mailto:tboyer@ccny.cuny.edu).

#### Useful Links: Program website, Past Exam Problems and Solutions

Physics homepage: <https://www.gc.cuny.edu/physics>

Problems and Solutions: <https://www.gc.cuny.edu/physics/curriculum-and-degree-information/qualifying-exams>