

**PY521 INFORMATION** **Spring 2024**

**Instructor:** Pankaj Mehta (323 SCI, pankajm@bu.edu)

**Office Hours:** Wednesday 2:00-3:00, but feel free to drop by anytime.

**TA:** Dominik Vuina (dominikv@bu.edu); Office Hours: TBD.

**Course Website:**

All lecture notes and homeworks will be placed on the course website:

<http://physics.bu.edu/~pankajm/PY521.html>

**Recommended Texts:**

The course will be based on a new unpublished manuscript by Philip Nelson “Electromagnetic Phenomenon”. It is available for free. Phil would really appreciate input, feedback, and reporting of typos at <http://nelsonemp.pbworks.com>. See first page of book.

*Required Texts*

1. Phil Nelson. “Electromagnetic Phenomena”

*Useful Texts (in no particular order)*

1. Classical Electrodynamics (J.D. Jackson)
2. Zangwill Modern electrodynamics

**Course organization:**

Assignments will be handed out (almost) weekly. You can collaborate with other students in solving the problem sets. However, the write-up that you hand in should represent your own personal efforts. Please be aware that late homework will not be accepted. Homework will count for approximately 60 % of the grade. In addition, 20% of the grade will be a take-home midterm, and the final 20% a take-home final. The discussion sections will involve working in groups to solve a mathematical physics problem.