

Ph.D. Program in Physics

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Announcement of Spring 2021 Courses

(As of: December 8, 2020)

Syllabi to be available in the near future. dmoy@gc.cuny.edu

Electromagnetic Theory I [Class #64057] - PHYS 71500 [Open to all levels]
Virtual Tu, Th, 8:30 am – 10:20 am 4.000 Credits Timothy Boyer

Quantum Mechanics II [Class #64058] - PHYS 72600 [Open to all levels]
Virtual Tu, Th, 10:30 am – 12:30 pm 4.000 Credits Peter Orland

Statistical Mechanics [Class #64059] - PHYS 74100 [Open to all levels]
Virtual M, W, 10:30 am – 12:15 pm 4.000 Credits Oleg Berman

Quantum Theory of Fields II [Class #64062] - PHYS 82600 [Open to 2nd year or higher]
Virtual W, 9:00 am – 12:00 pm 4.000 Credits Daniel Kabat

Basics of Laser Physics and Nonlinear Optics [Class #64063] - PHYS 85200
[Open to 2nd year or higher]
Virtual Tu, Th, 9:15 am – 11:05 am 4.000 Credits Li Ge

Complex Networks [Class #64065] - PHYS 85200 [Open to 2nd year or higher]
Virtual M, 10:00 am – 1:15 pm 4.000 Credits Hernan Makse

Photonics II [Class #64064] - PHYS 85200 [Open to 2nd year or higher]
Virtual Th, 11:15 am – 1:45 pm 3.000 Credits Gabriele Grosso

Topological Insulators and Superconductors [Class #64066] - PHYS 85200
[Open to 2nd year or higher]
Virtual F, 9:00 am – 12:15 pm 4.000 Credits Pouyan Ghaemi

Research Rotation II [Class #64067] - PHYS 85600 [Open to 1st-year Physics students only]
Virtual [Rotation instructors and schedule to be determined]
3.000 Credits Alexios Polychronakos
[1st-year Physics students are required to take this course; grading is Pass/Fail]

Independent Study - PHYS 89900 [Open to Physics students in 2nd year or higher only]
Virtual 1.000 – 4.000 Credits
[Open to Physics students with less than 60.0 cumulative credits; limited to 1 Independent Study course per semester; requires permission of Executive Officer; schedule is determined between instructor and student]

Dissertation Supervision - PHYS 90000 [Open to Level 3 Physics students only]