Announcement of Fall 2020 Courses
(As of September 9, 2020)

Mathematical Methods in Physics [Class # 59166] – PHYS 70100  [Open to all levels]
Graduate Center Campus  M, W  11:15 am – 1:00 pm  ONLINE  4.000 Credits  Sarang Gopalakrishnan

Analytical Dynamics [Class # 59167] – PHYS 71100  [Open to all levels]
Graduate Center Campus  M, W  9:00 am – 10:45 am  ONLINE  4.000 Credits  Tobias Schäfer

Photonics – Selected Topics [Class # 59168] – PHYS 85200  [Open to all levels]
Graduate Center Campus  M, W  9:00 am – 10:45 am  ONLINE  4.000 Credits  Matthew Sfeir

Electromagnetic Theory II [Class # 59170] – PHYS 71600  [Open to all levels]
Graduate Center Campus  Tu, Th  9:00 am – 11:00 am  ONLINE  4.000 Credits  Timothy Boyer

Quantum Mechanics I [Class # 59169] – PHYS 72500  [Open to all levels]
Graduate Center Campus  M, W  2:10 pm – 3:55 pm  ONLINE  4.000 Credits  Giovanni Ossola

Particle Physics [Class # 59171] – PHYS 73600  [Open to all levels]
Graduate Center Campus  M, W, 2:15 pm – 4:00 pm  ONLINE  4.000 Credits  Stefan Bathe

Solid State Physics [Class # 59172] – PHYS 74500  [Open to all levels]
Graduate Center Campus  F  12:45 pm – 4:00 pm  ONLINE  4.000 Credits  Karl Sandeman

Quantum Theory of Fields I [Class # 59173] – PHYS 82500  [Open to 2nd year or higher]
Graduate Center Campus  Th  11:30 am – 2:30 pm  ONLINE  4.000 Credits  Daniel Kabat

Quantum Information [Class # 59175] - PHYS 83100  [Open to 2nd year or higher]
Graduate Center Campus  M, W 12:15 pm – 2:00 pm  ONLINE  4.000 Credits  Mark Hillery
[Open to students in other programs, i.e. computer science or mathematics, with a knowledge of quantum mechanics]

Quantum Theory of Solids II [Class # 59174] – PHYS 84600  [Open to 2nd year or higher]
Graduate Center Campus  Tu  11:15 am – 2:15 pm  ONLINE  4.000 Credits  So Takei

Machine Learning for Physics and Astronomy – Selected Topics [Class # 59176] – PHYS 85200
[Open to 2nd year or higher]
Graduate Center Campus  M, W  10:00 am – 12:00 pm  ONLINE  4.000 Credits  Viviana Acquaviva

Survey of Research Opportunities at CUNY [Class # 59177] – PHYS 85400
[Open to 1st-year physics students only]
Graduate Center Campus  F  9:30 am – 12:00 pm  ONLINE  3.000 Credits  Igor Kuskovsky
[1st-year students are required to take this course; Grading is Pass/Fail]

Research Rotation I [Class # 59178] – PHYS 85500  [Open to 1st-year physics students only]
Graduate Center Campus [rotation faculty and ONLINE schedules to be announced]  1.000 Credit
Alexios Polychronakos
[1st-year students are required to take this course; Grading is Pass/Fail]

Independent Study – PHYS 89900  [Open to Level I and II Physics students only]
Graduate Center Campus  1.000 – 4.000 Credits
[Students are limited to 1 Independent Study course per semester, requires permission of instructor, and open to students with less than 60 total credits]

Dissertation Supervision – PHYS 90000  [Open to Level III Physics students only]