Announcement of Fall 2020 Courses
(As of August 11, 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 9:00 am – 11:00 am ONLINE  4.000 Credits  Giovanni Ossola

Particle Physics [Class # 59171] – PHYS 73600 [Open to all levels]
Graduate Center Campus  M, W 2:10 pm – 3:55 pm ONLINE  4.000 Credits  Stefan Bathe

Solid State Physics [Class # 59172] – PHYS 74500 [Open to all levels]
Graduate Center Campus  M, W 2:15 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]