Announcement of Fall 2022 Courses

Courses are Taught in-person

Key: tba to be announced

(As of 3 May 2022)

Mathematical Methods in Physics [Class # tba] – PHYS 70100  [Open to all levels]
Graduate Center Campus  M, 2:00 pm – 3:50 pm and Th, 11:00 am – 12:50 pm
Room # tba  4.000 Credits  V. Parameswaran Nair

Analytical Dynamics [Class # tba] – PHYS 71100  [Open to all levels]
Graduate Center Campus  M, W, 11:15 am – 1:00 pm  Room # tba  4.000 Credits  Sebastián Franco

Photonics [Class # tba] – PHYS 71200  [Open to all levels]
Graduate Center Campus  W, 1:15 pm – 3:00 pm and Th, 9:00 am – 10:45 am
Room # tba  4.000 Credits  Matthew Sfeir

Quantum Mechanics I [Class # tba] – PHYS 72500  [Open to all levels]
Graduate Center Campus  M, W, 9:00 am – 10:45 am  Room # tba  4.000 Credits  Giovanni Ossola

Electromagnetic Theory II [Class # tba] – PHYS 71600  [Open to all levels]
Graduate Center Campus  Tu, Th, 2:00 pm – 4:00 pm  Room # tba  4.000 Credits  Timothy Boyer
[co-listed with City College of New York’s Physics MS program as Physics V1600]

Solid State Physics [Class # tba] – PHYS 74500
[Open to all levels, non-physics major requires instructor approval]
Graduate Center Campus  Tu, 9:00 am – 12:15 pm  Room # tba  4.000 Credits  So Takei

Particle Physics [Class # tba] – PHYS 73600  [Open to all levels]
Graduate Center Campus  F, 11:00 am – 3:00 pm  Room # tba  4.000 Credits  James Popp

Computational Methods in Physics [Class # tba] – PHYS 78100
[Open to all levels, non-physics major subject to instructor approval]
Graduate Center Campus  M, W, 10:00 am – 12:00 pm  Room # tba  4.000 Credits  Ariyeh Maller

Quantum Information [Class # tba] – PHYS 83100  [Open to 2nd year or higher]
Graduate Center Campus  Tu, 12:30 pm – 2:30 pm and Th, 10:00 am – 12:00 pm
Room # tba  4.000 Credits  Janos Bergou

High Energy Physics [Class # tba] – PHYS 83400  [Open to all levels]
Graduate Center Campus  M, 3:00 pm – 6:00 pm  Room # tba  4.000 Credits  Jamal Jalilian-Marian

Special Topics: Unsolved Problems in Astrophysics [Class # tba] – PHYS 85200  [Open to all levels]
American Museum of Natural History campus  Tu, 1:00 pm – 4:00 pm  Room # tba  4.000 Credits  Emily Rice
[co-listed with Graduate Center’s MS Astrophysics program]

Special Topics: Early Universe Cosmology [Class # tba] – PHYS 85200  [Open to all levels]
Graduate Center Campus  W, 1:15 pm – 4:15 pm  Room # tba  4.000 Credits  Vladimir Rosenhaus

Survey of Research Opportunities at CUNY [Class # tba] – PHYS 85400
[Open to 1st-year physics students only]
Graduate Center Campus  Th, 1:30 pm – 4:00 pm  Room # tba  3.000 Credits  Sophia Suarez
[1st-year students are required to take this course; Grading is Pass/Fail]

Research Rotation I [Class # tba] – PHYS 85500 [Open to 1st-year physics students only]
Graduate Center Campus [rotation faculty and 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]
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]
1.000 Credit