Announcement of Spring 2019 Courses
(As of: December 21, 2018)

Electromagnetic Theory I [Class #: 61715] - PHYS 71500 [Open to all levels]
Graduate Center Campus  Tu, Th, 9:00 am – 11:00 am  Room # [TBA]  4.000 Credits  Andrea Ferroglia

Quantum Mechanics II [Class #: 61716] - PHYS 72600 [Open to all levels]
Graduate Center Campus  Tu, Th, 11:30 am – 1:15 pm  Room # [TBA]  4.000 Credits  Lev Murokh

Statistical Mechanics [Class #: 61717] - PHYS 74100 [Open to all levels]
Graduate Center Campus  Tu, Th, 2:00 pm – 4:00 pm  Room # [TBA]  4.000 Credits  Brian Tiburzi

Cosmology [Class #: 61718] - PHYS 76000 [Open to all levels]
Graduate Center Campus  Fri, 1:00 pm – 4:30 pm  Room # [TBA]  4.000 Credits  Ari Maller

Nano and MicroPhotonics [Class #: 61719] - PHYS 81700 [Open to 2nd year or higher]
Graduate Center Campus  M, 2:00 pm – 5:30 pm  Room # [TBA]  4.000 Credits  Vinod Menon

Quantum Theory of Fields II [Class #: 61720] - PHYS 82600 [Open to 2nd year or higher]
Graduate Center Campus  W, 1:15 pm – 4:30 pm  Room # [TBA]  4.000 Credits  Adrian Dumitru

Quantum Information [Class #: 61721] - PHYS 83100 [Open to 2nd year or higher]
Graduate Center Campus  W, 10:00 am – 1:00 pm  Room # [TBA]  4.000 Credits  Janos Bergou

Quantum Theory of Solids I [Class #: 61722] - PHYS 84500 [Open to 2nd year or higher]
Graduate Center Campus  Th, 10:00 am – 1:45 pm  Room # [TBA]  4.000 Credits  Neepa Maitra

Magnetism & Superconductivity of Solids [Class #: 61723] - PHYS 85200
[Open to all levels]
Graduate Center Campus  M, 10:30 am – 1:30 pm  Room # [TBA]  4.000 Credits  Eugene Chudnovsky

Metamaterials [Class #: 61725] - PHYS 85200 [Open to 2nd year or higher]
TBA - Graduate Center Central or Advanced Science Research Center Campus
Tu, 4:30 pm – 7:30 pm  Room # [TBA]  4.000 Credits  Andrea Alù
[Open to students in Chemistry, Biochemistry, Engineering, and Mathematics]

Introduction to Machine Learning for Scientists [Class #: 61726] - PHYS 85200
[Open to 2nd year or higher]
Graduate Center Campus  W, 4:35 pm – 7:20 pm  Room # [TBA]  3.000 Credits  David Schwab
[Course is offered by Biology Ph.D. Program as Biology 79303]

Research Rotation II [Class #: 61724] - PHYS 85600 [Open to 1st-year Physics students only]
Graduate Center Campus  [Rotation instructors and schedule to be determined]
3.000 Credits  Sultan Catto
[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]
Graduate Center Campus  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 determined between instructor and student]

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