# Physics Graduate Course Offering Fall 2026 / Winter 2027

| | Term | Topic | Enrolment Contingent | Offered Fa27/ Wi28 | Cross-listed with | Potential Research Focus Group Interest | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Interest Courses** | | | | | | Astro | Bioph | CMP/AMO | Geoph | Particle | Space/ Plasma |
| **PHYS 511** | Fall | Quantum | N | Y | | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **PHYS 524** | Winter | E&M | N | Y | | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **PHYS 530** | Fall | Stat Mech | N | Y | | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **PHYS 574** | Winter | Data Analysis in Physics | N | Y | | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **PHYS 580** | Fall | Computational Physics | N | Y | PHYS 420 | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **PHYS 597** | Winter | Graduate Projects in Experimental Physics | N | Y | PHYS 397 | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **Focus Area Courses** | | | | | | | | | | | |
| **PHYS 541** | Winter | CMP I | Y | Y | | | | ✅ | | | |
| **PHYS 635** | Winter | Plasma Physics | Y | N | | ✅ | | | | | ✅ |
| **BIOPH 501** | Winter | Advanced Biophysics | Y | N | | | ✅ | | | | |
| **ASTRO 529** | Winter | Space Physics | N | Y | ASTRO 429 | | | | | | ✅ |
| **ASTRO 565** | Fall | Stellar Astrophysics II | N | Y | ASTRO 465 | ✅ | | | | | |
| **PHYS 595 B01** | Winter | Optical Properties of Solids | Y | N | PHYS 495 | | | ✅ | | | |
| **PHYS 595 B02** | Winter | Quantum Information | Y | N | PHYS 495 | | | ✅ | | | |
| **Geophysics** | | | | | | | | | | | |
| **GEOPH 521** | Fall | Global Geodynamics | N | Y | GEOPH 440 | | | | ✅ | | |
| **GEOPH 526** | Fall | Signal Analysis | N | Y | GEOPH 426 | | | | ✅ | | |
| **GEOPH 536** | Fall | Field School | N | Y | GEOPH 436 | | | | ✅ | | |
| **GEOPH 538** | Winter | Seismic Data Processing | N | Y | GEOPH 438 | | | | | | |

**Enrolment Contingent** — If Y, this section will be cancelled if it does not meet a minimum registration threshold $2N_{\text{grad}} + N_{\text{ugrad}} \geq 10$ before the semester begins.

**Offered Fa26/Wi27** — Indicates whether the course will also be offered in Fa27/Wi28. Next academic year we will also offer PHYS 590 (Particle Physics II), GEOPH 524 (Electromagnetic Methods in Geophysics), GEOPH 531 (Geophysical Inverse Theory), GEOPH 541 (Seismology)

**Cross-listed** — These courses have a graduate course number with a corresponding undergraduate course listed here. MSc student can take up to two non-cross listed 400-level course ***with permission of their supervisory committee and the Department.*** **PhD students cannot take a 400-level course for credit toward their degree.**