

## Physics Graduate Course Offering Fall 2024 / Winter 2025

	Term	Topic	Enrolment Contingent	Offered Fa25/Wi26	Cross-listed with	Potential Research Focus Group Interest					
General Interest Courses						Astro	Bioph	CMP/AMO	Geoph	Particle	Space/Plasma
<b>PHYS 511</b>	Fall	Quantum	N	Y		✓	✓	✓	✓	✓	✓
<b>PHYS 524</b>	Winter	E&M	N	Y		✓	✓	✓	✓	✓	✓
<b>PHYS 530</b>	Fall	Stat Mech	N	Y		✓	✓	✓	✓	✓	✓
<b>PHYS 574</b>	Winter	Data Analysis in Physics	N	Y		✓	✓	✓	✓	✓	✓
<b>PHYS 580</b>	Fall	Computational Physics	N	Y	PHYS 420	✓	✓	✓	✓	✓	✓
<b>PHYS 597</b>	Winter	Graduate Projects in Experimental Physics	N	Y	PHYS 397	✓	✓	✓	✓	✓	✓
Topical Courses											
<b>PHYS 595 B01</b>	Winter	Nanotechnology	N	N	PHYS 495			✓			
<b>PHYS 595 B02</b>	Winter	Multimessenger and High Energy Astrophysics	Y	N	PHYS 495	✓				✓	
<b>ASTRO 565</b>	Fall	Stellar Astrophysics II	N	Y	ASTRO 465	✓					
<b>ASTRO 595 B01</b>	Winter	Astrophysical Processes	N	N	ASTRO 495	✓					
<b>BIOPH 501</b>	Winter	Advanced Biophysics	N	Y	BIOPH 401		✓				
<b>PHYS 541</b>	Winter	CMP I	N	Y				✓			
<b>GEOPH 531</b>	Winter	Geophysical Inverse Theory	Y	N	GEOPH 431				✓		
<b>GEOPH 620</b>	Winter	Rock Physics	Y	N					✓		
<b>PHYS 635</b>	Winter	Plasma Physics	N	N							✓

Only special topics GEOPH courses are listed above. We will also offer GEOPH 521, 524, 526, 536, 538, 541 as normal.

**Enrolment Contingent** — This section will be cancelled if it does not meet a minimum registration threshold of 5 students (graduate and undergraduate) before the semester begins.

**Offered Fa25/Wi26** — If Y, this section is intended to be offered in the following academic year (Fall 2025 / Winter 2026). In Fall 2025 / Winter 2026, we also plan to offer PHYS 512 (Advanced Quantum Mechanics II), PHYS 590 (Particle Physics II), and a different set of special topics courses.

**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.**