Advanced Physics Course Schedule

Courses Typically Offered in Fall	Notes
Phys 3110 Seminars in Adv. Lab Analysis	
Phys 3214 Advanced Laboratory II	
Phys 3309 Intermediate Mechanics	
Phys 3313 Advanced Laboratory I	
Phys 3315 Modern Physics	
Phys 3316 Quantum Mechanics	
Phys 4321 Inter. Electromagnetic Theory I	
Phys 4340 Research Methods for Physics	For teachHOUSTON students only
Phys 4342 Science By Inquiry	For teachHOUSTON students only
Phys 4345 Physics for Pre-Service Teachers	For teachHOUSTON students only
Phys 4350 Computational Physics	Advanced elective; usually offered once every 3 yrs
Phys 4356 Particle and Nuclear Physics	Advanced elective; usually offered once every 3 yrs
Phys 4360 Space and Atmospheric Physics	Must take **twice** to count as 3 hrs upper-level elective
Phys 4370 Nanophysics	Advanced elective; usually offered once every 3 yrs
Phys 4421 Electronic Devices	
Phys 4397 Special Topics	Sometimes offered
Math 4370 Mathematics for Physicists	Can be used in place of Math 3363; usually offered at least once per year

Courses Typically Offered in Spring	Notes
Phys 3110 Seminars in Adv. Lab Analysis	
Phys 3112 Modern Optics Lab	
Phys 3214 Advanced Laboratory II	
Phys 3305 Introduction to Astrophysics	Advanced elective; usually offered every other year
Phys 3312 Modern Optics	
Phys 3313 Advanced Laboratory I	
Phys 3315 Modern Physics	
Phys 3316 Quantum Mechanics	
Phys 3327 Thermal Physics	
Phys 4322 Inter. Electromagnetic Theory II	
Phys 4337 Introduction to Solid State	Advanced elective; usually offered every other year
Phys 4340 Research Methods for Physics	For teachHOUSTON students only
Phys 4360 Space and Atmospheric Physics	Must take **twice** to count as 3 hrs upper-level elective
Phys 4397 Special Topics	Sometimes offered
Math 4370 Mathematics for Physicists	Can be used in place of Math 3363; usually offered at least once per year

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