GSU ASTRONOMY PHD PROGRAM			even year fall	odd year spring	odd year summer	odd year fall	even year spring	even year summer
	credits							
CORE		*Students must take all 20 credits*						
ASTR 6100	3	Astron. Techniques & Instrumentation		Bentz			Bentz	
ASTR 6200	3	Applications in Modern Astronomy	Lepine			Lepine		
ASTR 8000	4	Stellar Atmospheres and Spectroscopy		Gies				
ASTR 8100	4	Stellar Structure and Evolution				White		
ASTR 8300	3	Interstellar Medium	Crenshaw					
ASTR 8400	3	Extragalactic Astronomy					Kuzio	
TEACHING		*Students must take all 3 credits*						
ASTR 6300	2	Teaching Astronomy	Wilson			Wilson		
ASTR 6310	1	Teaching Astronomy Practicum		Wilson			Wilson	
SEMINAR		*Students must take all 3 credits*						
ASTR 8900	2	Seminar - first and second year students	✓			✓		
ASTR 8900	1	Prospectus talk - third year students		✓			✓	
ELECTIVES		*Students must take at least 9 credits of these (or any other 8000-level ASTR/PHYS/CSC course):*						
ASTR 8120	3	Plasma Physics and Magnetohydro.		Martens				
ASTR 8150	3	Numerical Methods for Astro and Phys				Baron		
ASTR 8200	3	Galactic Structure					Lepine	
ASTR 8700	4	Observational Cosmology		Kuzio				
ASTR 8800	3	Optics in Astronomy			Baron/Jefferies			
ASTR 8850	3	Planetary Science		Henry				
Other possible electives include (but not limited to):								
PHYS 8010	4	Classical Mechanics	Kozhanov			Kozhanov		
PHYS 8100	3	E & M Theory I	Apalkov			Apalkov		
PHYS 8110	3	E & M Theory II		Dietz			Dietz	
PHYS 8210	3	Quantum Mechanics I	Manson			Manson		
PHYS 8310	3	Statistical Mechanics		✓			✓	
ATTENDANCE		*Students must take 3 credits in the Fall and Spring semesters*						
ASTR 8910	3	Directed Study	✓	✓		✓	✓	
DISSERTATION		*Students must take 15 credits per semester after completing their prospectus talk*						
ASTR 9999	1 to 15	Doctoral Dissertation Research	✓	✓	✓	✓	✓	✓
RESEARCH		*Students must take as many as needed to reach a total of 25 credits per semester*						
ASTR 8710	1 to 15	Research Topics	✓	✓	✓	✓	✓	✓