Physics (PH) Courses Grid - 2024-25

2024-2025 Physics Course offering and other recommendations (check with Workday or the Physics Department with any questions)

PH			CAT	A	B	C	D	E	suggested concurrent	sug-rec	
1000	PH 101X	Frontiers And Opportunities In Physics	Cat 1		B						
	PH 1110	General Physics - Mechanics	Cat I	A		C		E	MA 1021		Calc I
	PH 1111	Principles of Mechanics	Cat I	A		C			MA 1023		Calc III
	PH 1120	General Physics - Electricity and Magnetism	Cat I		B			E	MA 1022		Calc II
	PH 1121	Principlies of Physics - Electricity and Magnetsim	Cat I		B		D		MA 1024		Calc IV
	PH 1130	Modern Physics	Cat I		B		D	E	MA 1024		Calc IV
	PH 1140	Oscillations and Waves	Cat I	A		C		E	MA 1023		Calc III
	PH 1150	Introductory Physics of Living Systems	Cat I				D	E	MA 1023		Calc III
2000	PH 2101	Principles of Thermodynamics	Cat I			C			MA 1024		Calc IV
	PH 2201	Intermediate Mechanics I	Cat I	A					MA 2051		
	PH 2202	Intermediate Mechanics II	Cat I		B				PH 2201	MA 2051	Diff Eqs
	PH 2301	Electromagnetic Fields	Cat I	A						MA 2251	Vector/Tensor Calc
	PH 3301	Electromagnetic Theory (second course to 2301)	Cat I		B				PH 2301	MA 2251	Vector/Tensor Calc
	PH 2501	Photonics	Cat II		B*				see catalog		
	PH 2601	Photonics Laboratory	Cat II			C*			see catalog		
	PH 2502	Lasers	Cat II		#*				see catalog		
	PH 2510	Atomic Force Microscopy	Cat II			#*			see catalog		
	PH 2651	Intermediate Physics Laboratory	Cat I				D			MA 2071	Linear Algebra
	PH 2520	Introduction to Astrophysics	Cat II			#*		E	PH1010, PH 1120, PH 1130		
	PH 2540	Solar Systems	Cat II			C*		E	PH1010, PH 1120, MA 1022		
	PH 2550	Atmospheric and Space Environments	Cat I				D	E	PH1010, PH 1120, MA 2051		
3000	PH 3206	Statistical Physics	Cat I				D		PH 2101		
	PH 3401	Quantum Mechanics I	Cat I			C				MA 4451	Boundry Value Problems
	PH 3402	Quantum Mechanics II	Cat I				D		PH 3401	MA 4451	Boundry Value Problems
	PH 3501	Relativity	Cat II			C*			PH 2201/2301		
	PH 3502	Solid State Physics	Cat II			C*			PH3401		
	PH 3503	Nuclear Physics	Cat II				#*		PH 1130/3401		
	PH 3504	Optics	Cat II			#*				MA 2071	
4000	PH 351X	General Relativity	Exp				D*		PH 3401		
	PH 443X	Intro to Quantum Information	Exp	A*							
	PH444X	Quantum Optics	Exp		B*						
	ISU	Topic of interest to be arranged, good when missing a course due to an IQP or on a topic not offered									
	*	Indicates course is offered in AY 24-25, but not next year, Cat II course.									
	#*	Indicates course is offered in AY 25-26, but not this year, Cat II course.									

DTP - 2/25/2024