



COLLEGE : C - Arts & Sciences  
 DEPARTMENT: PHYSICS

CURRIC	NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D D S H F V L E E W										RESPONS	JOINT	O	
						-ALL	U	GRD	E	U	N	E	P	&	N				C
PHYS	114	GENERAL PHYSICS General Physics	AUT/1966 -	AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.
						LAST UPDT: 1/12/17													
						FEE TYPE:1 \$50.00 BUDGET:068553 REV OBJ CD:943081													
PHYS	115	GENERAL PHYSICS General Physics	AUT/1998 -	AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 1/12/17													
						FEE TYPE:1 \$50.00 BUDGET:068553 REV OBJ CD:943081													
PHYS	116	GENERAL PHYSICS General Physics	AUT/1998 -	AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 1/12/17													
						FEE TYPE:1 \$50.00 BUDGET:068553 REV OBJ CD:943081													
PHYS	117	GENERAL PHYSICS LAB General Physics Laboratory	WIN/2015 -	AUT/9999	1.0	.	CR/NC	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT:12/08/14													
						COMMENT:EMAIL PREQ CHG FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													
PHYS	118	GENERAL PHYSICS LAB General Physics Laboratory	WIN/1967 -	AUT/9999	1.0	.	CR/NC	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 8/10/12													
						FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													
PHYS	119	GENERAL PHYSICS LAB General Physics Laboratory	SPR/1967 -	AUT/9999	1.0	.	CR/NC	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 8/10/12													
						FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													
PHYS	121	MECHANICS Mechanics	AUT/2011 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	Y	.	.	.	.
						LAST UPDT: 8/10/12 APPROVED: 1/24/94													
						COMMENT:EMAIL PREQ CHG FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													
PHYS	122	ELECTROMAGNETISM Electromagnetism	WIN/2012 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 8/10/12 APPROVED: 1/24/94													
						COMMENT:CHG TITLES, DESC FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													
PHYS	123	WAVES Waves	WIN/2012 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
						LAST UPDT: 8/10/12 APPROVED: 1/24/94													
						COMMENT:CHG DESC FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													



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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U N E	P & A	N & S	C & W	M & T	S & P	R				
PHYS 217	ENERGY FUTURE Energy Future: The Technical and Social Barriers to Large-Scale Sustainable Energy	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	
				LAST UPDT: 5/16/12 APPROVED: 5/15/12													
PHYS 224	THERMAL PHYSICS Thermal Physics	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT:12/23/16 APPROVED: 4/23/81													
				COMMENT:CHG DESC													
PHYS 225	INTRO MOD MECHANICS Introduction to Quantum Mechanics	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 9/19/11 APPROVED: 4/01/81													
				COMMENT:CHG DESC													
PHYS 226	PARTICLES&SYMMETRY Particles and Symmetries	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 2/22/11 APPROVED:12/16/08													
				COMMENT:EMAIL PREQ CHG													
PHYS 227	ELEM MATH PHYS Elementary Mathematical Physics	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 2/22/11 APPROVED: 9/01/86													
				COMMENT:EMAIL PREQ CHG													
PHYS 228	ELEM MATH PHYS Elementary Mathematical Physics	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 2/22/11 APPROVED: 9/01/86													
				COMMENT:EMAIL PREQ CHG													
PHYS 231	INTRO EXPERMTL PHYS Introductory Experimental Physics	SUM/2003 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	
				LAST UPDT: 8/10/12 APPROVED: 6/28/00													
				COMMENT:EMAIL PREPREQ CHANGE													
				FEE TYPE:1 \$50.00 BUDGET:069237 REV OBJ CD:943081													
PHYS 232	COMPUTATIONAL PHYS Introduction to Computational Physics	SPR/2001 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	
				LAST UPDT: 8/10/12 APPROVED: 2/21/01													
				FEE TYPE:1 \$50.00 BUDGET:069372 REV OBJ CD:943081													
PHYS 248	INTRO SEL TOPICS Introductory Selected Topics	WIN/2008 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 8/27/07 APPROVED: 8/23/07													

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				-ALL U	GRD		U	GRD	E	U	N	E				P
PHYS 294	PHYSICS FRONTIERS Introduction to Research: Frontiers of Physics	WIN/2017 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:10/03/16		APPROVED:12/16/08										
PHYS 315	APP MOD PHYS APPLICATIONS OF MODERN PHYSICS	SPR/2006 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:12/13/05		APPROVED: 9/24/01										
				COMMENT:EMAIL PREREQ CHANGE												
PHYS 321	ELECTROMAGNETISM Electromagnetism	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 2/22/11												
				COMMENT:EMAIL PREQ CHG												
PHYS 322	ELECTROMAGNETISM Electromagnetism	WIN/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:12/23/16												
				COMMENT:UPDATE EQV PREQ												
PHYS 323	ELECTROMAGNETISM Electromagnetism	SUM/2002 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:12/23/16												
				COMMENT:CHG CREDITS												
PHYS 324	QUANTUM MECHANICS Quantum Mechanics	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 2/22/11												
				COMMENT:EMAIL PREQ CHG												
PHYS 325	QUANTUM MECHANICS Quantum Mechanics	WIN/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:12/31/14												
				COMMENT:UPDATE EQV PREQ												
PHYS 327	INTRO NUCLEAR PHYS INTRODUCTION TO NUCLEAR PHYSICS	WIN/1969 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 8/14/06												
PHYS 328	STATISTICAL PHYSICS Statistical Physics	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:12/31/14		APPROVED: 9/01/77										
				COMMENT:UPDATE EQV PREQ												



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				-ALL	U		GRD	E	U	N	E	P	&	N			
PHYS 406	PHYS SCI INQUIRY II Physical Science by Inquiry II	AUT/1996 - AUT/9999	5.0	Y	.	22	.	.	.	.	Y	.	.	Y	.	.	.
COMMENT:CHANGE PREREQ, DESCRIP				LAST UPDT: 9/09/08 APPROVED: 1/01/84													
PHYS 407	PHYS BY INQUIRY II Physics by Inquiry II	AUT/2011 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	Y	.	.	.
COMMENT:EMAIL PREQ CHG				LAST UPDT: 2/22/11 APPROVED: 4/01/72													
PHYS 408	PHYS BY INQUIRY II Physics by Inquiry II	AUT/1996 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	Y	.	.	.
COMMENT:CHANGE PREREQ, DESCRIP				LAST UPDT: 7/15/97 APPROVED: 4/01/72													
PHYS 409	PHYS BY INQUIRY II Physics by Inquiry II	AUT/1996 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	Y	.	.	.
COMMENT:CHANGE PREREQ, DESCRIP				LAST UPDT: 7/15/97 APPROVED: 5/01/70													
PHYS 410	INQUIRY FOR TEACHER Physics by Inquiry for In-Service Teachers	SPR/2002 - AUT/9999	1.0-02.0	30.0	Y	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG MAX CR RETRO TO SPR/02				LAST UPDT: 3/10/05													
PHYS 411	LEAD TEACHER INQUIR Physics by Inquiry for Lead Teachers	AUT/2005 - AUT/9999	1.0-04.0	4.0	Y	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHANGE TO PERM CR/NCA				LAST UPDT: 7/13/05 APPROVED:10/01/75													
PHYS 412	LEAD TEACHER INQUIR Physics by Inquiry for Lead Teachers	AUT/2005 - AUT/9999	1.0-04.0	4.0	Y	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHANGE TO CR/NC ONLY				LAST UPDT: 7/13/05 APPROVED:10/01/75													
PHYS 413	LEAD TEACHER INQUIR Physics by Inquiry for Lead Teachers	AUT/2005 - AUT/9999	1.0-04.0	4.0	Y	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHANGE TO CR/NC ONLY				LAST UPDT: 7/13/05 APPROVED:10/01/75													
PHYS 421	COMTEMP ATOMIC PHYS Contemporary Atomic Physics	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG				LAST UPDT: 2/22/11													









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						-ALL	U		GRD	E	U	N	E	P	&	N			
PHYS	513	ELECTRMAG & RELTVTY Electromagnetism and Relativity	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/15/12													
						COMMENT:CHG CREDITS													
PHYS	514	ELECTRMAG & RELTVTY Electromagnetism and Relativity	WIN/2013 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 5/15/12													
						COMMENT:CHG CREDITS													
PHYS	515	ELECTRMAG & RELTVTY Electromagnetism and Relativity	SPR/1971 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:11/18/92													
PHYS	517	QUANTUM MECHANICS Quantum Mechanics	AUT/1998 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 2/27/98													
						COMMENT:CHANGE DESCRIPTION													
PHYS	518	QUANTUM MECHANICS Quantum Mechanics	AUT/1998 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 2/27/98													
						COMMENT:CHANGE DESCRIPTION													
PHYS	519	QUANTUM MECHANICS Quantum Mechanics	AUT/1998 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 2/27/98													
						COMMENT:CHANGE DESCRIPTION													
PHYS	520	ADV QM-INTRO QFT Advanced Quantum Mechanics - Introduction to Quantum Field Theory	AUT/2002 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 3/05/02 APPROVED:10/05/92													
						COMMENT:CHG CREDITS													
PHYS	521	ADV QM-INTRO QFT Advanced Quantum Mechanics - Introduction to Quantum Field Theory	WIN/1993 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:11/19/92 APPROVED:10/05/92													
PHYS	522	INTRO MODERN QFT Advanced Quantum Mechanics: Introduction to Modern Quantum Field Theory	SUM/1997 -	AUT/9999	3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 1/31/97 APPROVED:10/05/92													

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				-ALL U	GRD		E	U N E	P	& N C	M S N	A S W T P R G					
PHYS 524	THERMO & STAT MECH Thermodynamics and Statistical Mechanics	WIN/1996 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/28/96													
PHYS 525	STATISTICAL MECH Statistical Mechanics	AUT/1996 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/96													
PHYS 527	CURRENT PROBS PHYS Current Problems in Physics	AUT/1992 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/15/92 APPROVED: 5/29/92													
PHYS 528	CURRENT PROBS PHYS Current Problems in Physics	WIN/1993 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/15/92 APPROVED: 5/29/92													
PHYS 529	CURRENT PROBS PHYS CURRENT PROBLEMS IN PHYSICS	AUT/1969 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/06/93													
PHYS 530	LASER PHYSICS Laser Physics	SPR/1994 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/06/06 APPROVED:12/06/93													
				COMMENT:WAS PHYS 580													
PHYS 532	LIQ CRYSTAL DEVICES Liquid Crystal Devices	SPR/1994 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/06/06 APPROVED:12/06/93													
				COMMENT:WAS PHYS 582													
PHYS 536	INTRO ACOUSTICS/DSP Introduction to Acoustics and Digital Signal Processing	AUT/2004 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/04 APPROVED: 8/20/04													
PHYS 541	APPL OF QUANT PHYS Applications of Quantum Physics	SPR/1979 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 0/00/00 APPROVED: 7/01/78													
PHYS 542	NUMERICAL METHODS Numerical Methods in Physics	WIN/1999 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/25/98 APPROVED: 5/01/81													
				COMMENT:CHANGE CAT DATA AND PREREQ													

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						-ALL	U	GRD	E	U	N	E	P	&	N	C				M	S	N	COURSE
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	I	T	
PHYS	543	ELECTROMAG THEORY Electromagnetic Theory	WIN/1999 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			9/10/99		APPROVED:				4/01/82								
PHYS	544	APP ELECTMAG THY Applications of Electromagnetic Theory	WIN/1999 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			6/25/98		APPROVED:				12/01/80								
						COMMENT:ALSO CHANGE CAT DATA																	
PHYS	545	CONTEMPORARY OPTICS Contemporary Optics	AUT/1979 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			0/00/00		APPROVED:				6/01/79								
PHYS	546	CONDNSD MATTER PHYS Condensed-Matter Physics	WIN/1999 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			6/25/98		APPROVED:				10/01/79								
						COMMENT:CHANGE CAT DATA																	
PHYS	547	RESEARCH ELECTRNICS Electronics for Physics Research	SPR/1980 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			0/00/00		APPROVED:				10/01/79								
PHYS	549	LOW TEMP PHYSICS Low-Temperature Physics and Cryogenics	SPR/1982 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			0/00/00		APPROVED:				6/01/81								
PHYS	550	ATOMIC PHYSICS Atomic Physics	WIN/1973 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			9/06/06														
PHYS	551	ATOMIC PHYSICS Atomic Physics	SPR/1973 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			9/06/06		APPROVED:				8/31/72								
PHYS	552	COSMIC RAY PHYSICS Introduction to Cosmic Ray Physics	SUM/1997 -	AUT/9999	3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:			9/06/06		APPROVED:				1/21/71								
PHYS	554	NUCLEAR ASTROPHYSIC Nuclear Astrophysics	AUT/1998 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	PHYS	554	ASTR	510
						LAST UPDT:			2/27/98		APPROVED:				2/25/98								









