

**University of Nebraska  
Undergraduate Course Equivalencies  
Physics & Astronomy**

UNK			UNL			UNO		
Course(s)		Credits	Course(s)		Credits	Course(s)		Credits
PHYS100	PHYSICAL SCIENCE	4	PHYS151	ELEMENTS OF PHYSICS	4	PHYS1050	INTRODUCTION TO PHYSICS	4
PHYS205	GEN PHYSICS	5	PHYS141	ELEM GEN PHYSICS I	5	PHYS1110	GENERAL PHYSICS	4
						PHYS1154	GENERAL PHYSICS LABORATORY I	1
PHYS206	GEN PHYSICS	5	PHYS142	ELEM GEN PHYSICS II	5	PHYS1120	GENERAL PHYSICS	4
						PHYS1164	GENERAL PHYSICS LABORATORY II	1
PHYS210	ASTRONOMY	3	ASTR103	DESCRIPTIVE ASTRON	3	PHYS1350	PRINCIPLES OF ASTRONOMY	3
PHYS275	GEN PHYS (CALC)	5	PHYS211	GENERAL PHYSICS I	4	PHYS1154	GENERAL PHYSICS LABORATORY I	1
			PHYS221*	GEN PHYSICS LAB I	1	PHYS2110	GENERAL PHYSICS-CALCULUS LEVEL	4
PHYS276	GEN PHYS (CALC)	5	PHYS212	GENERAL PHYSICS II	4	PHYS1164	GENERAL PHYSICS LABORATORY II	1
			PHYS222	GEN PHYSICS LAB II	1	PHYS2120	GENERAL PHYSICS-CALCULUS LEVEL	4
PHYS323	INTRO ELECTRON	4	PHYS231	ELEC&ELECTRONIC CIR	3	PHYS3010	ELEMENTS OF ELECTRONICS	3
PHYS346	MOD PHYSICS I	4	PHYS213	GENERAL PHYSICS III	4	PHYS2130	MODERN PHYSICS	4
PHYS400	ANALYTIC MECHANICS I	3	PHYS311	MECHANICS	3	PHYS3450	CLASSICAL MECHANICS	3
PHYS405	ELECTRICITY & MAGNETISM I	3	PHYS451	ELECTROMAGNETIC THRY	3	PHYS3760	ELECTRICITY & MAGNETISM II	3
PHYS410	MATH TECHN IN PHYS I	4				PHYS3250	MATHEMATICAL METHODS OF PHYSICS	3

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PHYS417	QUANTUM MECHANICS	3	PHYS461	QUANTUM MECHANICS	3	PHYS4200	INTRODUCTION QUANTUM MECHANICS	3
PHYS430	OPTICS	4	PHYS452	OPTICS&ELECMAG WAVES	3	PHYS3020	OPTICS	3
PHYS440	HEAT & THERMODYN	4	PHYS431**	THERMAL PHYSICS	3	PHYS3850	THERMAL & STATISTICAL PHYSICS	3
PHYS495	RESEARCH IN PHYS	1-3	PHYS391	UNDERGRAD RESEARCH	1-4	PHYS4950	PROBLEMS IN PHYSICS	1-3
			ASTR204	INTRO ASTRON & ASTRO	3	PHYS4350	ASTROPHYSICS	3
			PHYS115	DESCRIPTIVE PHYSICS	3	PHYS1030	PHYSICS OF LIFE	3
			PHYS153	ELEMENTS OF PHYS LAB	1	PHYS1054	PHYSICS 1050 LABORATORY	1
			PHYS211	GENERAL PHYSICS I	4	PHYS1110	GENERAL PHYSICS	4
						PHYS2150	CALCULUS PHYSICS SUPPLEMENT I	1
			PHYS221*	GEN PHYSICS LAB I	1	PHYS1154	GENERAL PHYSICS LABORATORY I	1
			PHYS222	GEN PHYSICS LAB II	1	PHYS1164	GENRAL PHYSICS LABORATORY II	1
			PHYS422	PHYS&CHEM OF SOLIDS	3	PHYS4220	PHYSICS OF MOLECULES & SOLIDS	3

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			PHYS441	EXPERMNTL PHYSICS I	3	PHYS3504	EXPERIMENTAL PHYSICS I	1
						PHYS3524	EXPERIMENTAL PHYSICS II	1
						PHYS3544	EXPERIMENTAL PHYSICS III	1
			PHYS462	ATOMS NUCLEI&PARTCL	3	PHYS4210	QUANTUM THEORY	3

\* Formerly listed as PHYS220.

\*\* Formerly listed as PHYS466.