PHYSICS COURSE ROTATIONS

Not all upper-level physics courses are offered each year due to the small size of the department. However, courses are offered in a rotation that ensures on-time graduations and provides students access to all courses with a little planning.

FALL EVEN YEARS

1950 Physics Gateway

3504 Experimental Physics I

3600 Thermodynamics

3750 Electricity & Magnetism I

4200 Intro to Ouantum Mechanics

4350 Astrophysics

FALL ODD YEARS

4500 Biological Physics

SPRING EVEN YEARS

1950 Physics Gateway

3504 Experimental Physics I

3600 Thermodynamics

3750 Electricity and Magnetism I

4200 Intro to Ouantum Mechanics

3500 Elements of Electronics

4550 Physics in Medicine

SPRING ODD YFARS

2130 Modern Physics

3524 Experimental Physics II

3250 Mathematical Methods

3300 Intro to Biomedical Physics

3450 Classical Mechanics

3800 Optics

3760 Electricity & Magnetism II

2130 Modern Physics

3524 Experimental Physics II

3250 Mathematical Methods

3300 Intro to Biomedical Physics

3450 Classical Mechanics

3800 Optics

4210 Quantum Theory

Courses **shown in bold** rotate every other year.

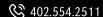
UNIVERSITY OF NEBRASKA AT OMAHA PHYSICS DEPARTMENT



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4-YEAR ROAD MAPS PHYSICS B.S.





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Year 1	PHYS 1950 Physics Gateway MATH 1950 Calculus I	PHYS 2110 General Physics I PHYS 1154 Physics Laboratory I MATH 1960 Calculus II	V V V V V V V V V V V V V V V V V V V	וכמו	PHYS 1950 Physics Gateway MATH 1950 Calculus I	PHYS 2110 General Physics I PHYS 1154 Physics Laboratory I MATH 1960 Calculus II
Year 2	PHYS 2120 General Physics II PHYS 1164 Physics Laboratory II MATH 1970 Calculus III	PHYS 2130 Modern Physics PHYS 3250 Mathematical Methods	Negr 2	10dl 2	PHYS 2120 General Physics II PHYS 1164 Physics Laboratory II MATH 1970 Calculus III It is important that PHYS 330	PHYS 2130 Modern Physics PHYS 3250 Mathematical Methods PHYS 3300 Intro to Biomed. Physics 0 be taken in the 2nd year.
Year 3	PHYS 3600 Thermodynamics PHYS 3504 Experimental Physics I PHYS 3750 Electricity & Mag. I	PHYS 3450 Classical Mechanics PHYS 3525 Experimental Physics II PHYS 3800 Optics	Vear 3		PHYS 3600 Thermodynamics PHYS 3504 Experimental Physics I PHYS 4500 Biological Physics	PHYS 3450 Classical Mechanics PHYS 3525 Experimental Physics II PHYS 3800 Optics
Year 4	PHYS 4200 Intro to Quantum PHYS 3500/4350 Elements of Electronics or Astrophysics Courses highlighted in bold can be s	PPHYS 4950 Senior Project PHYS 3760/4210 Electricity & Magnetism II or Quantum Theory wapped based on student interest.	Near 4	+ 1001	PHYS 3750 Electricity & Mag. I PHYS 4550 Physics in Medicine Courses highlighted in bold are swap	PHYS 4950 Senior Project
			3		Southern Highlighted III 2014 and on a p	and based shi tition that yet of the con-
Year 1	PHYS 1950 Physics Gateway MATH 1340 Algebra and Trig	MATH 1950 Calculus I You can also take 2110 and MATH 1960 in summer to be caught up in Year 2 for flexibility.	New Y	- [2]	PHYS 1950 Physics Gateway PHYS 1350 Principles of Astronomy PHYS 1354 Astronomy Lab MATH 1950 Calculus I	PHYS 2110 General Physics I PHYS 1154 Physics Laboratory I MATH 1960 Calculus II
Year 2	PHYS 2110 General Physics I PHYS 1154 Physics Laboratory I MATH 1960 Calculus II	PHYS 2120 General Physics II PHYS 1164 Physics Laboratory II PHYS 3300 Intro to Biomed. Physics MATH 1970 Calculus III	Year 7	10al 2	PHYS 2120 General Physics II PHYS 1164 Physics Laboratory II MATH 1970 Calculus III TED 2100 Educational Foundations	PHYS 2130 Modern Physics PHYS 3250 Mathematical Methods TED 2380 Development & Learning TED 2400 Planning for Eff. Teaching
Year 3	PHYS 3600 Thermodynamics PHYS 3504 Experimental Physics I PHYS 3500/4500 Elements of Electronics or Biological Physics	PHYS 2130 Modern Physics PHYS 3250 Mathematical Methods PHYS 3525 Experimental Physics II	Year 3	כפו	PHYS 3600 Thermodynamics PHYS 3504 Experimental Physics I SPED 3800 Differentiation GEOL 1170 Intro to Phys. Geology	PHYS 3450 Classical Mechanics PHYS 3300 Intro to Biomed. Physics TED 3550 Classroom Management TED 3690 Literacy & Learning
Year 4	PHYS 3750 Electricity & Mag. I PHYS 4200 Intro to Quantum	PHYS 3450 Classical Mechanics PHYS 3800 Optics PHYS 4950 Senior Project	Year 4	t logi	PHYS 3750 Electricity & Mag. I TED 4000 Methods in Content Area CHEM 1180 General Chemistry I CHEM 1184 Gen. Chemistry I Lab	TED 4600 Clinical Practice PHYS 3250 can be substituted with MATH 2350 for flexibility.