

List of Relevant Courses

Hunter Duggin

June 15, 2026

Summer Programs

CNUGS (Summer 2026):

AI / ML Bootcamp

Instructor: William Phelps - CNU

Intro to QCD

Instructor: Ming Li - Hampton U.

Hadron Spectroscopy

Instructor: Justin Stevens - William and Mary

Accelerator Science

Instructor: Ryan Bodenstein - JLab

JLab Science

Instructor: Doug Higinbotham

Lattice QCD

Instructor: Kostas Originos - William and Mary

Mechanical Properties of Hadrons

Instructor: Adam Freese - JLab

The Prad Experiment

Instructor: Tyler Hague

Global QCD Analysis

Instructor: Zhite Yu - BNL

Parity Violation and BSM Physics

Instructor: Krishna Kumar - UMass Amherst

Spin Structure at JLab and the LHC

Instructor: Charlotte Van Hulse - Free University in Brussels

Light Dark Matter Searches

Instructor: Marco Battaglieri - INFN

University of North Carolina

Fall 2024

PHYS 701: Classical Dynamics

Instructor: Dmitri Khveshchenko

PHYS 721: Quantum Mechanics

Instructor: Laura Mersini-Haughton

PHYS 631: Mathematical Methods for Physics

Instructor: Chuck Evans

Spring 2025

PHYS 712: Electrodynamics

Instructor: Dmitri Khveshchenko

PHYS 741: Statistical Mechanics

Instructor: Gökçe Basar

PHYS 824: Group Theory for Physics

Instructor: Louise Dolan

Fall 2025

PHYS 822: Quantum Field Theory I

Instructor: Louise Dolan

Spring 2026

PHYS 823: Quantum Field Theory II

Instructor: Louise Dolan

PHYS 861: Advanced Nuclear Physics

Instructor: Amy Nicholson

North Carolina State University

Fall 2020

PY 201: University Physics I

Instructor: James Kneller

MA 242: Calculus III

Instructor: Dmitry Zenkov

Spring 2021

PY 202: University Physics II

Instructor: Divine Kumah

PY 251: Scientific Computing

Instructor: Karen Daniels

MA 405: Linear Algebra

Instructor: Ilse Ipsen

MA 341: Differential Equations I

Instructor: Pedro Aceves Sanchez

Fall 2021

Py 252: Sophomore Experimental Physics

Instructor: Vijaya Mehta

Py 203: University Physics III

Instructor: Daniel Dougherty

Spring 2022

Py 413: Thermal Physics

Instructor: Lex Kemper

Py 411: Mechanics I

Instructor: Gail McLaughlin

NE 202: Radiation Sources, Interaction and Detection

Instructor: Ayman Hawari

MA 401: Partial Differential Equations

Instructor: Fatma Terzioglu

Fall 2022

Py 414: Electromagnetism I

Instructor: Carla Fröhlich

Py 412: Mechanics II

Instructor: Gail McLaughlin

Py 301: Intro to Quantum Mechanics

Instructor: John Thomas

Ma 225: Foundations of Advanced Mathematics (proofs)

Instructor: Alen Alexanderian

Eng 333: Scientific Writing

Instructor: Daun Daemon

Spring 2023

Py 415: Electromagnetism II

Instructor: Carla Fröhlich

Py 401: Quantum Physics I

Instructor: Thomas Schäfer

Py 341: Relativity

Instructor: Richard Longland

COM 289: Scientific Communication

Instructor: Jean Goodwin

Fall 2023

Py 402: Quantum Physics II

Instructor: Thomas Schäfer

Py 506: Nuclear and Subatomic Physics

Instructor: Richard Longland

Ma 427: Numerical Analysis I

Instructor: Moody Chu

Spring 2024

Py 509: General Relativity

Instructor: David Brown

Py 507: Particle Physics

Instructor: Rob Golub

Py 452: Advanced Lab

Instructor: Vijaya Mehta