



SCIENCE MAJOR

Double Degree in Liberal Arts and Sciences and Physics

HAADI NAQVI

From Pakistan



CURRICULUM PLAN

- Humanities
- Social Science
- Science
- Other

YEAR 1

Fall

Classical and Relativistic Physics

Research in context

Introduction to Political Theory

Introduction to Philosophy

Spring

Calculus and Linear Algebra

Wave Phenomena

Introduction to Economics

Introduction to Arabic Language and culture

Summer term: Computational Physics Lab & Wave Optics Lab

YEAR 2

Fall

Research in Practice: Methods and statistics for the Social Scientist

Mathematic Methods

Classical Electrodynamics

Political Science: State of the Art

Spring

Statistical Mechanics & Introduction to Quantum Measurement

Analysis and Algebra

Topics in Physics: Physics of Sustainability, Soft Matter & Light, Bose-Einstein Condensation

Probability and Networks

Summer term: Academic Internship

YEAR 3

Fall

Advanced Physics: The Quantum World

Foundations of Mathematics

Gravitational Waves

Experimental Statistical Mechanics

Advanced Mechanics

Spring (all UU classes)

Stochastic Processes

Structure of Matter

Cosmology

Condensed Quantum Matter



YEAR 4

Fall

Advanced Statistical Physics

Advanced Quantum Mechanics

Bachelor Thesis in Physics