



UiO : **University of Oslo**

The University of Oslo

- Was founded in 1811 as the first in Norway and is the oldest and best University in Norway.
- UiO is the highest ranked institution of education and research in Norway - and one of the World's Top 100 universities, according to the Shanghai World Ranking.
- UiO focuses on research-based education and attracts highly qualified students from all over the country.

- Approximately 26 000 students distributed at 8 faculties:
 - Faculty of Dentistry
 - Faculty of Education Sciences
 - Faculty of Humanities
 - Faculty of Law
 - Faculty of Medicine
 - Faculty of Mathematics and Natural Sciences
 - Faculty of Social Science
 - Faculty of Theology

The Faculty of Mathematics and Natural Sciences

- Our Departments:
 - Department of Biosciences
 - Department of Chemistry
 - Department of Geosciences
 - Department of Informatics
 - Department of Mathematics
 - School of Pharmacy
 - Department of Physics
 - Department of Technology Systems
 - Institute of Theoretical Astrophysics
- About 6000 students
- Approx. 1100 academic employees



Students can also study at UNIS at Svalbard (as exchange students with UiO, additional application procedure)



Courses taught in English

- Most courses 10 ECTS
- Over 800 courses in English
- At Bachelor's level – mainly year 3, some year 2
- At Master's level - some degrees taught in English
- Students can take courses across the University



Department of physics

Research sections:

- Biophysics and medical physics
- Condensed matter physics
- Electronics
- High-energy particle physics
- Nuclear and energy physics
- Physics education
- Plasma and space physics
- Semiconductor physics
- Theoretical physics

Some highlighted courses

Autumn semester:

- FYS-STK3155/4155– Applied Data Analysis and Machine Learning
- FYS3150 – Computational Physics
- FYS3110 – Quantum Mechanics
- FYS2160 – Thermodynamics and Statistical Physics
- FYS3600 – Space Physics and Technology
- FYS3700 – Biophysics and Medical Physics
- FYS3231 – Sensors and Measurement Technology

Spring semester:

- FYS3120 – Analytical Mechanics and Electrodynamics
- FYS3140 – Mathematical Methods in Physics
- FYS3500 – Introduction to Nuclear and Particle Physics
- FYS3240 – Data Acquisition and Control
- FYS3400 – Condensed Matter Physics
- FYS3535/4535 – Medical Applications of Nuclear Physics

Degrees offered

Bachelor level:

- Bachelor of Electronics, Informatics and Technology
- Bachelor of Physics and Astronomy
- Bachelor of Renewable Energy and Nanotechnology
- Bachelor of Nuclear Physics and Nuclear Technology

Master level (taught in English):

- Master of Computational Science
- Master of Electronics, Informatics and Technology
- Master of Physics
- Master of Materials Science and Nanotechnology
- Master of Nuclear Science

Exchange students - how to apply

- Online nomination and application process, semester start Aug & Jan
- Pre-arrival course requirements approval process (by Faculty)
- Housing guarantee (if application by deadline)
- Orientation Week for all new international students
- Buddy programme



Exchange students at our University

- Centrally organised events and activities for exchange students
- Faculty and department organised activities
- MN-Student Information Centre (walk in Tuesdays and Thursdays)



Student life at the Faculty

- Realistforeningen (Science Students Association)
- Local student organisations at the Department of Physics
- Student Committee: MNSU and academic committees
- Annual events for incoming and departing exchange students
- IAESTE (International Association for the Exchange of Students for Technical Experience)



Life in Oslo

- Multicultural city
(700 000 inhabitants)
- Nordmarka
(skiing, hiking)
- Oslo fjord
- Opera, theatre, live music, shopping,
museums
- 50% of the city area of Oslo is covered by
forest and parks



Student welfare organisation - SiO

- Housing
- Sports
- Kindergarten
- Food and Beverage
- Health Services



Further information

Courses in physics:

<https://www.uio.no/english/studies/courses/matnat/fys/>

Physics Department home page:

<https://www.mn.uio.no/fysikk/english/index.html>

Questions ? studieinfo@fys.uio.no