



UNIVERSEH

Spring School 2025

Space is all around
An introduction to Space Sciences

21 > 27 April 2025
Namur · Belgium

UNIVERSEH



Co-funded by
the European Union



DATES OF THE COURSE

From the beginning of March to the end of April 2025

LOCATION AND VENUE

University of Namur, Namur, Belgium & Euro Space Center, Libin, Belgium

BLENDED INTENSIVE PROGRAMME

UNamur, UNI.LU and UNITOV

PROFILE AND PREREQUISITES

Bachelor (all years), Master's, and PhD students.

Entry-level activity to space topics, from scientific, technological to arts and societal aspects. Accessible to both STEM and non-STEM profiles

TEACHING LANGUAGE

English

TEACHING MODALITIES

Online synchronous (3 sessions before the physical mobility) and in person

STUDENT MOBILITY

Student mobility from 21 to 27 April 2025 to Belgium

EXPENSES

The expenses will be paid directly by the students. Accommodation and living costs are estimated around 80€ per day

ORGANISATION OF STUDENT EVALUATION

Group concept study on a fictitious space mission (2024: Asteroid mining during Apophis 2029 closest approach); Statement given in the last preparatory remote session; working sessions scheduled during the school; final presentation on the last day of the school

CONTACT

andre.fuzfa@unamur.be · international-mobility@unamur.be

THE COURSE IS OPEN TO STUDENTS FROM THESE UNIVERSITIES

Open to students from all UNIVERSEH partner universities

CREDITS

3 ECTS

Students apply through their home university, which is responsible for the selection process

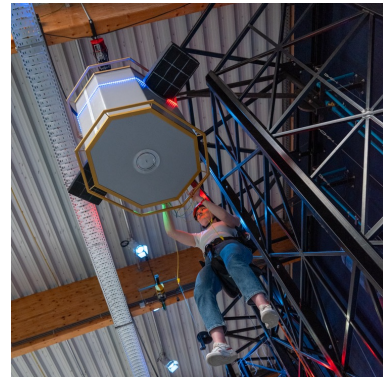
13 December 2024
Selection deadline

Universities' international officers send the information to Namur

From 13 December 2024 to 17 January 2025
Students' registration




March-April 2025
Online sessions

21>27 April 2025
Spring School














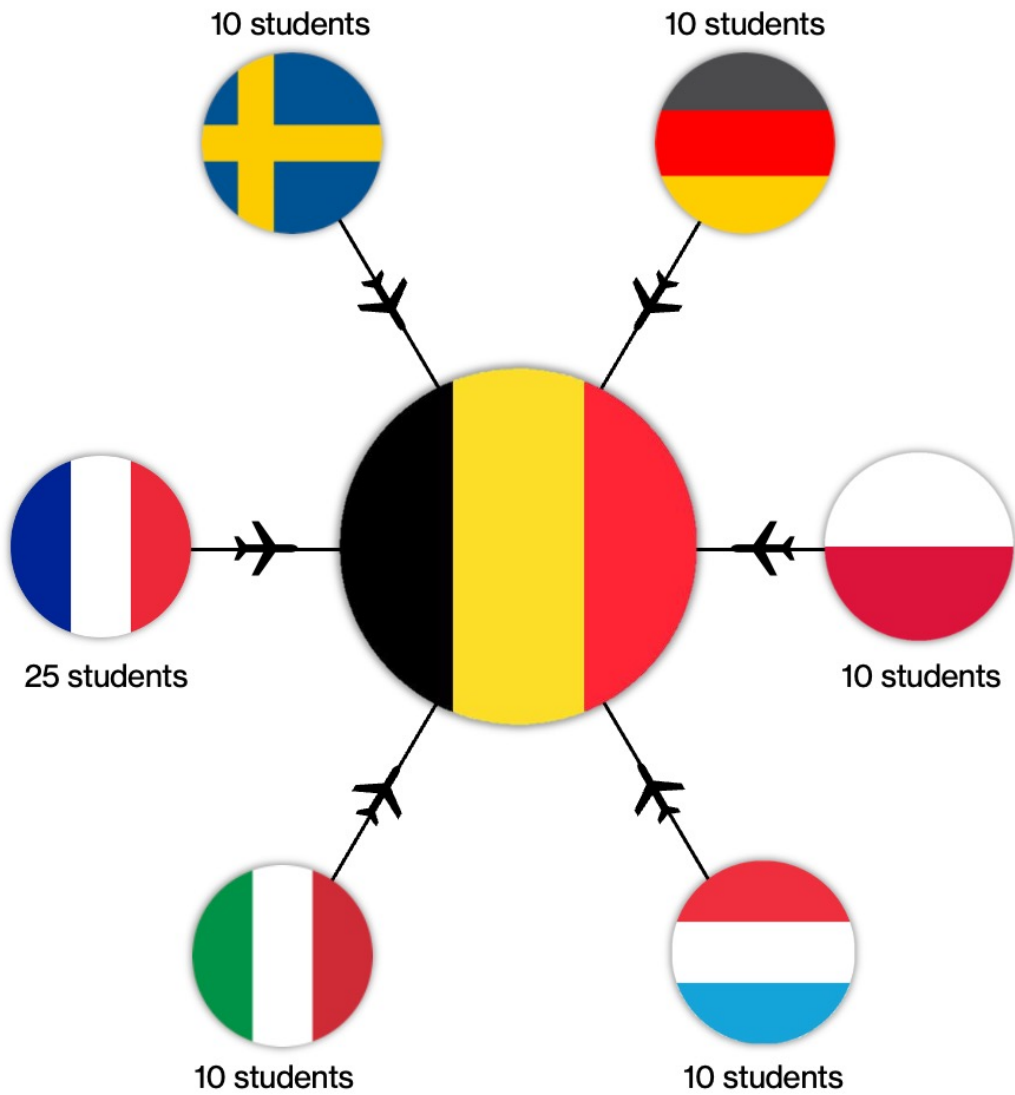
WHAT TO EXPECT?

- Conferences and seminars on various topics in the morning (space law, medicine, rocketry, satellite operations, cybersecurity, etc.).
- Team-building activities inspired by astronaut training at the Euro Space Center (the only space-themed park in Europe).
- Visits of the ESA Academy facilities and ESEC-Redu station.
- Speed dating with professionals in the Space field.
- A cosmicathon (team-based challenge around space mission design), planetarium and stargazing sessions, etc.

| Monday | Tuesday | Wednesday | Thursday |
|---|---|--|---|
| 21 Welcome to Namur!  | 22 Euro Space Center Visit of ESEC-Galaxia Job fair | 23 Stay @ Euro Space Center  | 24 Stay @ Euro Space Center Visit if ESEC-Redu |
| Friday | Saturday | Sunday | |
| 25 Stay @ Euro Space Center | 26  Back to Namur | 27 Travelling back home | |

PROVISIONAL LIST OF SPEAKERS AND TOPICS

-  **André Füzfa** (University of Namur): Basics of Astrodynamics.
-  **Loredana Santo** (University of Rome – Tor Vergata): Smart Materials for Space Applications, Space Sustainability.
-  **Mahulena Hofmann** (University of Luxembourg): Space Law.
-  **Jacques Arnould** (CNES): Ethics for a Better Mankind in Space.
-  **Alain De Neve** (Defense Analyst at Belgian Royal Military Academy): Space Defense.
-  **Marc Toussaint** (ESA/EPFL): Launchers & Rockets.
-  **Christophe Bénaroya** (Toulouse Business School): New Space and Aerospace Management.
-  **Fabienne Delhaise** (ESA): Ground Segment of Space Missions.
-  **Alessia Sanna & Alexandre Weisser** (artists): Space and Arts.
-  **Alix de Beusscher** (Aerospace Lab): Robotics Satellite Engineering.
-  **Elisa Tasev** (Royal Observatory of Belgium): Planetary Defense.



EURO SPACE CENTER

Located 65 km from Namur, the Euro Space Center is an educational space theme park located in Belgium and it has been training aspiring astronauts since 1991.

Not far from Euro Space Center are ESA/ESEC, ESA satellite control centre and the Europe's first cybersecurity training centre for space systems. The ESA Education Training Center is responsible for all ESA training sessions for university students.



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