

Send your application with a motivation letter and a CV at: espace@epfl.ch

You may also use the same email address if you have more questions

Job title	Teacher on Space Mission Design and Operations
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Your mission

eSpace at the EPFL Space Center promotes excellence in space research, education and innovation. Our young and dynamic team boasts a profound technical expertise. The internal skill set includes system engineering, mission design, space sustainability, multidisciplinary project management astrophysics...

As part of our educational mandate, eSpace manages the EPFL Minor in [Space technologies](#) (around 90 students each year) and support the following EPFL student associations (more than 300 students) and interdisciplinary projects that comes with their challenges and hands-on experiences: [EPFL Rocket Team](#), [EPFL Spacecraft Team](#), [EPFL Xplore](#), [Space Situational Awareness Team EPFL](#), and [Asclepios](#).

Prof. Claude Nicollier has been teaching the following course for over 20 years at EPFL: Space Mission Design and Operations. (<https://edu.epfl.ch/coursebook/fr/space-mission-design-and-operations-EE-585>). Prof. Nicollier will stop his teaching activities next semester, thus the search for a new teacher to take over the course, starting in Fall 2024.

The design of the course should include the notions in the current course descriptions, especially the focus on orbital mechanics, and interface with the courses on Spacecraft design and systems engineering.

We are looking for an experienced **Space Mission design expert to teach the course on Space mission design and operations.**

Main duties and responsibilities include

- Design a course on Space Mission design and operations based on the previous study plan
- Teach the course once per year (Fall semester - might be in Spring semester for the year) either 4h every two weeks or 2h every week on EPFL campus
- Supervise projects from students related to course topic (Semester and-or Master based on availability).

Your profile

- You have a Master of Science in Engineering, Physics, Robotics, Aerospace or related field
- You have 10+ years' experience in Space mission design and operations from a high reputation institution (Industry, Space agency, university)
- You have excellent presentation skills

- You can easily travel every week/two weeks for ½ day during the semester to EPFL Campus (Lausanne)
- You speak fluent English

Optional

- You have a PhD
- You have a good knowledge of French.

You should be enthusiastic and curious about space activities in general. EPFL students are very motivated, so you should be open to answer questions/emails also outside the class.

We offer

- A young, dynamic, interdisciplinary and international working environment
- A vibrant, internationally visible and rising academic institution in space research, education and innovation
- A privileged contact with state-of-the-art technological developments
- Salary: a lump sum of 8000CHF/semester (for 14 weeks) is allocated to external teachers to cover travel/housing costs and time allocated to the class.

Start date	September 2024 or February 2025
Work rate	½ day every two weeks during 14 weeks from February to June
Duration (if CDD)	N/A