Master class: space academy

Niveau d'étude
Master 2

ECTS
3 crédits

Volume horaire
30h

Période de l'année
Semestre 3

Présentation

DESCRIPTION

The MasterClass, hosted by the Académie Spatiale d'Ile de France and Université Paris Cité, take place during a full week in February. It is open to all students of Space related masters from all Universities of Ile de France.
The 2025 and 2026 editions will be focused on ""Earth Resources Remote Sensing and Extra-terrestrial Resources Exploration and Utilization,"
During this week, 18 lectures will present the cutting-edge technologies in Earth resource monitoring from space, water related geodesy, and Earth remote sensing, as well as the exploration and utilization of extraterrestrial resources.
Lecturers are from leading research laboratories (Polytechnique Montreal, CESBIO, GFZ Postam, Université Luxembourg, Université Paris Saclay, Institut de physique du Globe de Paris), large and small companies (Total Energy, Blue Origin, Ispace, MinersAI) and space agencies and international organizations (ESA, EEC, CNES).
In addition to space related technologies, both in terms of instrumentation, data acquisition, data analysis and interpretation, some lectures present also AI applications, policy frameworks, and space mining economy.
In addition to the 18 lectures, the program will offer one site visits, and case studies to provide hands-on experience. Lunches with the lecturers and a social event during one of the evening will offer networking opportunities and interactions with scientists and ingeneers involved in space utilization and space exploration. Two of the lectures are Directed Works.
The evaluation is made through a QCM sent to the students a few weeks after the MasterClass and which has to be returned within 72 hours.
See https://academiespatiale.fr/index.php/ecole-dete/ for more information on the masterclass.

OBJECTIFS

General overview of the space techniques used for ressources prospection, monitoring and control. General overview of Academic Research and Applied Research, including within Large, SME or Startups.

HEURES D'ENSEIGNEMENT

Master class: space academy	Cours Magistral	24h
Master class: space academy		6h

Pour en savoir plus, rendez-vous sur > u-paris.fr/choisir-sa-formation

Informations non contractuelles. Les formations sont proposées sous réserve d'accréditation ministérielle délivrée tous les 5 ans.
Dernière mise à jour le 02 juin 2025

PRÉ-REQUIS OBLIGATOIRES

Masters related to Space (e.g. remote sensing, space engineering) or General Physics/Geophysics/Engineering Master with space related minors.

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