Master in Physics

Turbulences : Méthodes et Applications 2nd year

Presentation

To view the presentation of the Turbulences : Méthodes et Applications 2nd year program in French click on the following link: Parcours Turbulences, Méthodes et Applications 2e année

Registration and scholarships

Access conditions

Education requirements :

- For the second year : students who have completed the first year of a compatible master program or equivalent level

Admission criteria : See the section on applications and registration
Public continuing education : You are in charge of continuing education :

- if you resume your studies after 2 years of interruption of studies
- or if you followed a formation under the regime formation continues one of the 2 preceding years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, you can undertake a validation of personal and professional achievements (VAPP)

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Would you like to apply and register ? Be aware that the procedure differs depending on the diploma, the degree obtained, or the place of residence for foreign students. Let us guide you simply by following this link

- Applications for the OptiCo master 2nd year will be examined by a jury made up of teachers and professionals

Expenses

Tuition fees 2023-2024 : 243 €+100€ CVEC

Practicals informations :

> Component : UFR PhITEM (physique, ingénierie, terre, environnement, mécanique)
> level : Baccalaureate +5
> Duration : 1 year
> Course type : Initial and Continuing Education
> Location(s) : Grenoble - Scientific Polygon

The information contained in this document is for information purposes and is non-contractual. - Updated on 18 December 2023

Contacts

Program director

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Program administration

Registrar's Office for the Master in Physics
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Application
phitem-candidature-etudiant@univ-grenoble-alpes.fr

Program

Master 2nd year

Semestre 9

UE Physique theorique de la turbulence	3 ECTS
UE Ecoulements diphasiques turbulents	3 ECTS
UE Effet dynamo et rotation en turbulence	3 ECTS
UE Bilinguisme Anglais/Français compréhension	3 ECTS
UE Méthodes expérimentales avancées	3 ECTS
UE Méthodes numériques avancées	3 ECTS

2 option(s) to choose from 4

UE Dynamique des plasmas astrophysiques	3 ECTS
UE Turbulence compressible	3 ECTS
UE Turbulence d'ondes	3 ECTS
UE Turbulence en couche limite atmosphérique	3 ECTS
UE Advanced Machine Learning in Earth Sciences	3 ECTS
UE Dynamique des fluides géophysiques	6 ECTS
UE Controle et turbulence de paroi	3 ECTS
UE GPU Computing	6 ECTS
UE Data assimilation in geosciences	3 ECTS
UE Advanced Simulation Tools for Mechanics and the Environment	6 ECTS
UE Transfert de chaleur	6 ECTS

Semestre 10

UE Internship - 5 months	30 ECTS

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