



Doctoral training Formation doctorale

Doctoral training manager: John Carter

Administrator/logistics: Remy Polese

Institut d'Astrophysique Spatiale Bâtiment 121 – Paris Saclay Université

ed127.formations@ias.u-psud.fr

Web page for doctoral training:

www.ias.u-psud.fr/fr/formation/enseignements/doctorat/formation-doctorale

Why doctoral training?

- (It is a contractual requirement)
- It is an **opportunity** to acquire new **skills** or enhance your skillset
- Aim is 3-fold:
 - Enhance your training experience as part of your PhD, acquiring new hard skills on **topics related to your research**
 - Expand your horizons during your PhD: **acquire knowledge outside your field**, consolidate skills from your student years
 - **Prepare for your next job**, be it in academia or outside academia: facilitate postdoctoral grant applications, acquire soft skills useful for job applications outside academia

In a nutshell

- Doctoral training amounts to **90 class hours** throughout your PhD
... that's about 5 days per year
- Preferably during your first two years

You choose

1 «summer » school
(not your usual science
conference)
= 30 hours

If you teach (> 60 hrs in
total)
= 30 hours

+

One short training
session on scientific
ethics

Other training sessions
= 30-60 hours

You choose

You can always attend more training sessions than is required by the doctoral school

Training sessions

The doctoral school provides a choice of ~10 training sessions tailored to your PhD

- ❖ All themed in astrophysics, but applicable to other fields, some also to outside academia
- ❖ Soft skills / hard skills / transverse skills
- ❖ In your field / outside your field

Cours proposés par l'ED 127 (2018-2019)	
Lien ADUM	Intitulé de la formation
191714	Astrophysique Nucléaire
193057	Bayesian Statistics
190637	Histoire des idées en astronomie et en physique à partir de quelques exemples
191478	Intelligence artificielle pour l'astrophysique à l'époque du big-data
191717	L'habitabilité des systèmes planétaires
152760	L'Héliosphère comme laboratoire pour les plasmas astrophysiques : analyse des mesures in situ des missions spatiales
191716	Les Galaxies Lointaines: Observations et Modèles (de la Voie Lactée aux âges sombres)
191722	Les systèmes du monde des présocratiques à Newton
191712	Préparer l'après thèse
191708	Simulations numériques et calcul haute performance: Applications à l'hydrodynamique pour l'astrophysique
191720	Stochastic Processes in Astrophysics and Cosmology

Training sessions

The doctoral school provides a choice of ~10 training sessions tailored to your PhD

You are free to choose from training sessions outside the doctoral school:

See suggestion list on web site

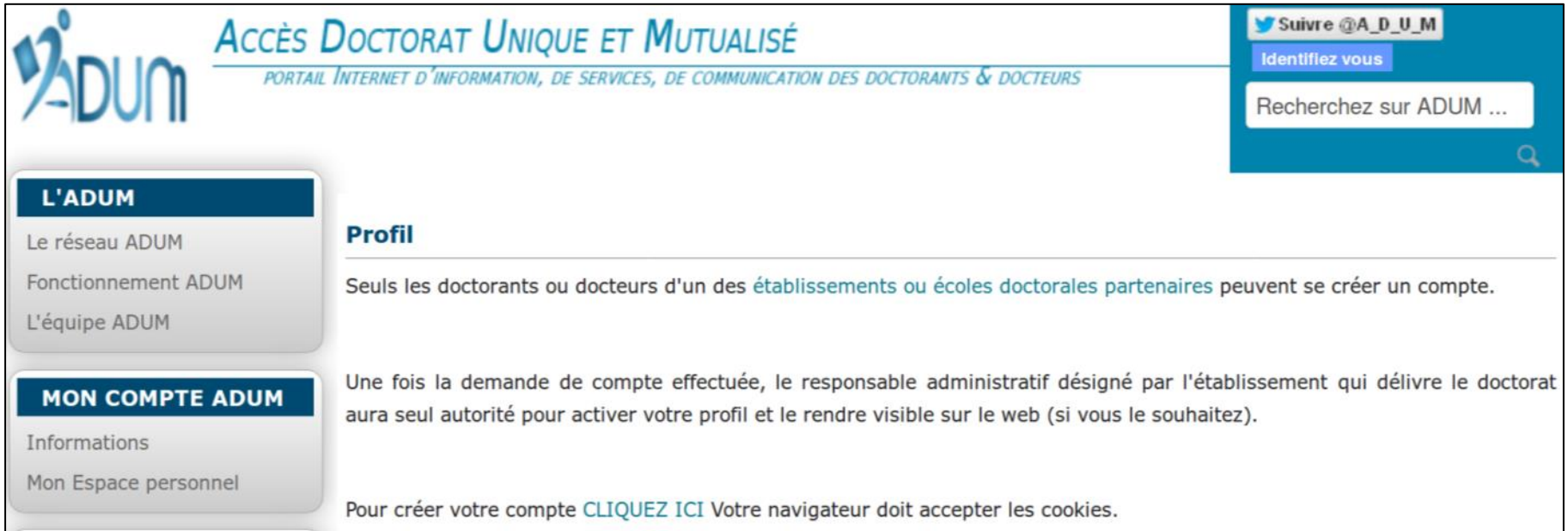
Includes:

- Specific language classes for non French speaking PHDs
- Master 2 level courses
- College de France
- Other doctoral schools

How it works

Most of the doctoral training processes are handled through ADUM

www.adum.fr



The screenshot shows the ADUM website interface. At the top left is the ADUM logo. The main header reads "ACCÈS DOCTORAT UNIQUE ET MUTUALISÉ" and "PORTAIL INTERNET D'INFORMATION, DE SERVICES, DE COMMUNICATION DES DOCTORANTS & DOCTEURS". On the right, there is a blue navigation bar with a Twitter follow button for "@A_D_U_M", a login button "Identifiez vous", and a search bar "Recherchez sur ADUM ...". On the left, there are two menu sections: "L'ADUM" with links for "Le réseau ADUM", "Fonctionnement ADUM", and "L'équipe ADUM"; and "MON COMPTE ADUM" with links for "Informations" and "Mon Espace personnel". The main content area is titled "Profil" and contains the following text: "Seuls les doctorants ou docteurs d'un des établissements ou écoles doctorales partenaires peuvent se créer un compte." and "Une fois la demande de compte effectuée, le responsable administratif désigné par l'établissement qui délivre le doctorat aura seul autorité pour activer votre profil et le rendre visible sur le web (si vous le souhaitez)." At the bottom, it says "Pour créer votre compte CLIQUEZ ICI Votre navigateur doit accepter les cookies."

- You have/will have an account on ADUM
- You will need to fill in a notional plan for your doctoral training
- You can search and book for doctoral training online (including those proposed by us)

How it works

Most of the doctoral training processes are handled through ADUM

Caveats

- Most summer schools are not on ADUM, you need to search for them on your own
 - Some training classes that are not recurring are not on ADUM
- Be pro-active !
- We will regularly update a list of selected schools and sessions that could be relevant to you on the website
- Consult regularly

Before enlisting for a summer school or training sessions other than those proposed by us (ED127), **you must contact the training manager** (ed127.formations@ias.u-psud.fr) to get approval

Getting information

Contact the training manager: *ed127.formations@ias.u-psud.fr*

Search for training opportunities on ADUM

www.adum.fr

Consult and check for updates on the web page for Doctoral Training

www.ias.u-psud.fr/fr/formation/enseignements/doctorat/formation-doctorale

Consult the web page of the doctoral school

https://ecole-doctorale.obspm.fr

Talk to your fellow $\geq 2^{\text{nd}}$ yr PhD colleagues for first hand knowledge and feedback