

# Training and Formations during your PhD

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<https://ed560.ed.univ-paris-diderot.fr/en/rules-for-training/>

# Goals of training during your PhD

- **Wide range of courses**, from some directly linked to career development, to other very specialized scientific courses
- Help you to develop and be well-equipped for your **career plan**, whether you pursue in academia/research or in the private sector
- Help you develop a **broad set of disciplinary and cross-disciplinary skills** to avoid overspecialization and open up to other topics than your PhD subject.

# Your professional project

- Start thinking about your **career plan**
- Build **your own professional objectives and project** from the first year of PhD, and update it every year.
- Develop necessary skills throughout the 3 years
- Check your project/training goals with your PhD supervisor, and with the Doctoral School (Cecile and Irena)

# Approval of training schemes by STEP'UP

- Start filling your [Individual Training Project now](#) (pdf available on the webpage)
- Send your ITP to Irena or myself [by beginning of Dec 2023](#)
- Update it every year
- Take most of trainings during the first 2 years of your PhD
  
- The PhD can be defended [only if the training schemes is approved](#) by the Doctoral School (Irena and myself)
- You must validate at least [15 points by trainings](#) before your PhD defense

# 15 Points for training

- By the end of your PhD, you need to have a **minimum of 15 points**
- A minimum of **5 points** has to be in scientific trainings (ED STEPUP, Master courses...)
- Max 12 points / year and 4 points / training (except for ED courses)
- **Mandatory trainings:**
  - Ethics and scientific integrity: **1 point**
  - Recruitment day: 1 point (date not yet known)
- If you have an active participation in the organization of the Doctoral Congress, you will have 1 to 3 points
- General rule: **1 day of training or 8 hours = 1 point**
- Master courses: **1 ECTS = 1 point**
- Workshops and summer schools: do not count (but some exceptions if general schools: please check with Irena or myself).

# Training on ethics and scientific integrity

See the ED website <https://ed560.ed.univ-paris-diderot.fr/ethics-and-integrity/>

- At UPC: <https://u-paris.fr/doctorat/science-ouverte/>
- There is a MOOC in English (link on ED webpage)  
<https://www.fun-mooc.fr/en/courses/research-integrity-scientific-professions/>
- Or many others available.. Please check with us

# Requirements if you teach during your PhD

- If you have **a teaching contract**, you need to follow at least 2 days ( ie **2 points** of trainings) dedicated to pedagogy, didactics..
- Besides those 2 points, for **each year of teaching** during your PhD, you get **one point**

# Different types of trainings

- **Purely scientific courses** (from ED STEPUP, College de France, other doctoral Schools, Masters ...)
- **Interdisciplinary courses** (didactics, learning oral and written communication tools ...)
- **Language courses** (French as foreign language, English, other languages you want to learn ...)
- Trainings for professional integration or career development
- Others ...



# Courses offered by STEPUP

<https://ed560.ed.univ-paris-diderot.fr/en/training-proposed-by-the-doctoral-school/>



The Doctoral School ▾ Join the Doctoral School ▾ **During your PhD** ▾ After the PhD ▾

🇫🇷 Français

🇬🇧 English

Upcoming defences

## Actualités

\* [Main contest 2023](#)

\* [PhD conference 2023](#)

\* [Early contest PU 2023](#)

\* [Welcome meeting STEP'UP 2022](#)

\* [2022 contest](#)

## During your PhD

Here you will find some information to help during your thesis: the doctoral training programme, the different steps [and outreach opportunities](#), the [defence procedure](#).

<a href="#">Doctoral training programme</a>	>	<a href="#">Rules for training courses</a>
<a href="#">Different steps of the thesis</a>	>	<a href="#">Courses offered by the Doctoral School</a>
<a href="#">Opportunities</a>	>	<a href="#">Ethics and Integrity (in construction)</a>
<a href="#">Leisures and sports</a>	>	<a href="#">Other degree programs</a>
<a href="#">If you need help...</a>		<a href="#">Seminars</a>

# Scientific courses offered by STEPUP

<https://ed560.ed.univ-paris-diderot.fr/en/training-proposed-by-the-doctoral-school/>

[Upcoming defences](#)

## Actualités

- \* [Main contest 2023](#)
- \* [PhD conference 2023](#)
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- \* [Welcome meeting STEP'UP 2022](#)
- \* [2022 contest](#)

Search ...

In case of problems with this website: [contact](#)

Username

Password

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## Courses offered by the Doctoral School

PhD training can be divided into three parts;

- **Science courses :**  
[Read more](#)
- **Introductory courses :**  
[Read more](#)
- **Interdisciplinary courses :**  
[Read more](#)

**These lists are not exhaustive, and you should first check whether a given course is eligible by contacting the representative of the university in which you are enrolled within the Doctoral School Administration.**

**There is no automatic confirmation email sent once you have enrolled in a course via this form.**

**For all courses, you should register [here beforehand](#) (PLEASE FILL IN THE TRAINING CODE AND THE TITLE OF THE COURSE)**

Below are the lists of courses offered by the STEP'UP Doctoral School, by type:

- Scientific courses:  
[Show list](#)
- Introductory courses:  
[Show list](#)
- Interdisciplinary studies:  
[Show list](#)

For more information, please contact your degree programme coordinator: [Frédéric Girault](#) and [Cécile Prigent](#) for Earth and Environmental Sciences (Terre-Environnement, TE), and [Irena Nikolic](#) for Physics of the Universe (Physique de l'Univers, PU).

# Courses offered by STEPUP: registration through a Google Sheet

 Français

 English

[Upcoming defences](#)

## Actualités

\* [LabEx UnivEarthS Fall School](#)

\* [Congrès des Doctorant·e·s](#)

[Déconfiné·e·s CD<sup>3</sup>](#)

\* [Main contest 2021](#)

\* [PhD Scholarship of the Data](#)

[Intelligence Institute of Paris \(diiP\)](#)

\* [2021 campaign for contracts with](#)

[Initiative des Infinis of SU](#)

Search ...



In case of problems with this website: [contact](#)

Howdy, Irena Nikolic | [Logout](#)

## Courses offered by the Doctoral School

For all courses, you should register [here beforehand](#) (PLEASE FILL IN THE TRAINING CODE AND THE TITLE OF THE COURSE)

Please note that there is no email of confirmation after filling the Google form.

PhD training can be divided into three parts;

- **Science courses :**

[Read more](#)

- **Introductory courses :**

[Read more](#)

- **Interdisciplinary courses :**

[Read more](#)

**These lists are not exhaustive, and you should first check whether a given course is eligible by contacting the representative of the university in which you are enrolled within the Doctoral School Administration.**

**There is no automatic confirmation email sent once you have enrolled in a course via this form.**

For all courses, you should register [here beforehand](#) (PLEASE FILL IN THE TRAINING CODE AND THE TITLE OF THE COURSE)

Below are the lists of courses offered by the STEP'UP Doctoral School, by type:

- Scientific courses:

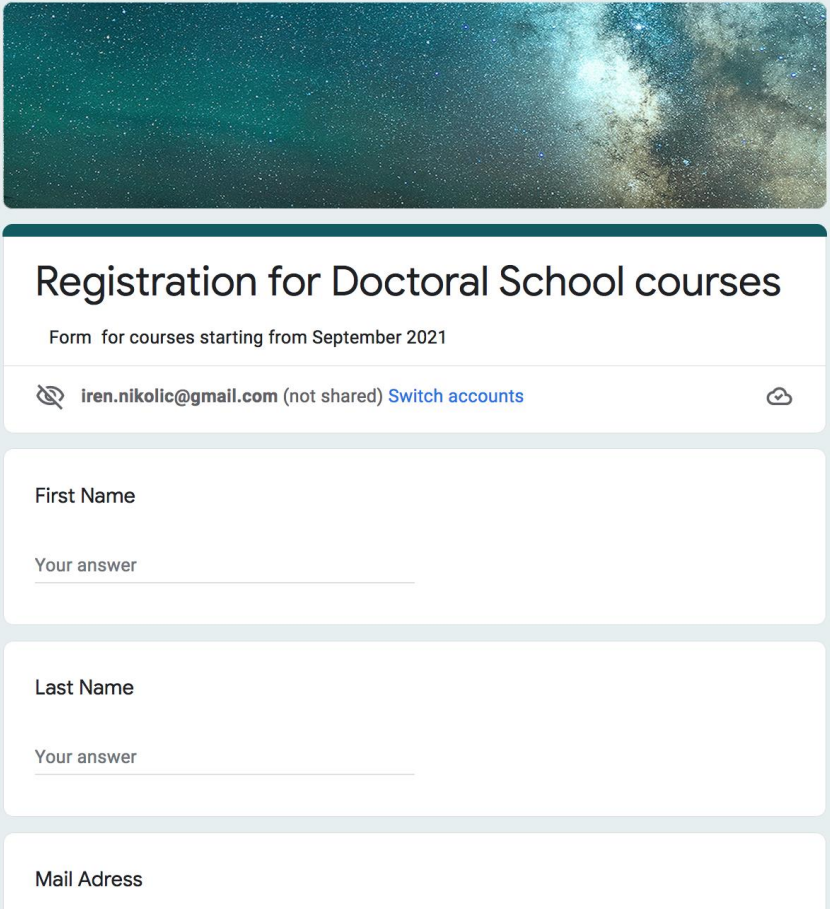
[Show list](#)

- Introductory courses:

[Show list](#)

# Registration for courses offered by STEPUP

- For the courses organized by the doctoral school, you should register through the ED web page and a Google sheet
- For each course, your information and **CODE** Ex : ED-SPU5-STE5
- **There is no confirmation email sent once you have registered!**
- Your emails are given to the instructors for further information



The image shows a registration form titled "Registration for Doctoral School courses" for courses starting from September 2021. The form is displayed on a mobile device screen. At the top, there is a header image of a starry night sky. Below the title, the text "Form for courses starting from September 2021" is visible. The user's email address, "iren.nikolic@gmail.com", is shown as not shared, with a "Switch accounts" link. The form contains three input fields: "First Name", "Last Name", and "Mail Address". Each field has a "Your answer" label and a text input area.

# Scientific courses offered by STEPUP: detail

Ouvert/Fermé Open/Closed	Code de la formation Training code	Nom de la formation Training title	Intervenants Teachers	Langue Language	Composante Component	Dates - Lieux Dates - Locations	Nombre de points Number of points
Ouvert Open	ED-SPU3-STE3	Physics of Natural Sites: Concepts and Methods	Frédéric GIRAULT and Guillaume CARAZZO (IPGP)	English	PU, TE	September 2023 to November 2023 IPGP Cuvier First course: 25 September 2023 at 2pm	3
Open Ouvert	ED-SPU21-STE21	High Performance Computing: Introduction to the S-CAPAD/DANTE Platform	Fahd MIRI (Neoteckno) et Frédéric DOUCHET (Neoteckno), assistés de Geneviève MOGUILNY (CNRS/IPGP) et Alexandre FOURNIER (IPGP)	English	PU, TE	Janvier 2024 IPGP,	1
Ouvert Open	ED-STE6	Analyse des Données Sismiques des Réseaux des Observatoires Volcanologiques et Sismologiques Français	Eric JACQUES, Arnaud LEMARCHAND, Jean-Marie SAUREL, et Jean-Christophe KOMOROWSKI (IPGP)	Français	TE	Première séance obligatoire - Date : 11 janvier 2024 IPGP rue Cuvier, Salle des Conseils (salle 108)	5
Ouvert Open	ED-SPU10-STE10	Python for Impatients	Claudio SATRIANO (IPGP)	English	PU, TE	February 2024 10am - 4pm (room 108) In addition to the common registration, please fill this form: <a href="https://forms.gle/pAY9ymXGSFTkZK5c7">https://forms.gle/pAY9ymXGSFTkZK5c7</a>	2
Open	ED-SPU11-STE11	Git: Contrôle de Version et Editing	Claudio SATRIANO et	English	PU, TE	March 2024 10am - 4pm (room 108)	2

For each course:

- Schedule
- CODE
- Points
- PU and/or TE
- Description

# Upcoming scientific courses by STEPUP

- High performance computing: introduction to S-CAPAD/DANTE platform
- Analysis of Seismic Data from the French Volcanological and Seismological Observatory Networks
- Python for Impatients
- Applied data analytics
- Elements of statistics
- Different aspects of the ligo-virgo-gravitational wave direct detections
- Neutrino physics
- Standard model physics at colliders
- Particle acceleration in astrophysics
- Shock waves in astrophysics

# Upcoming interdisciplinary courses by STEPUP

- How to write papers for publication
- TOEIC preparation
- English: Oral Interaction
- French for very beginners
- Organization of the PhD congress

# Other courses

Listed on the ED website

<https://ed560.ed.univ-paris-diderot.fr/en/more-courses/>

Doctoral training programme	>	Rules for training courses
Different steps of the thesis	>	Courses offered by the Doctoral School
Opportunities	>	Ethics and Integrity (in construction)
Leisures and sports	>	<b>Other degree programs</b>
If you need help...		Seminars

- Master classes (IPGP, ICFP, NPAC, PHE...)
- Courses by Université de Paris Cité  
<https://u-paris.fr/bibliotheques/doctorants-se-former/>
- Courses from Sorbonne Université  
<https://www.sorbonne-universite.fr/recherche-et-innovation/le-doctorat/developpement-du-projet-professionnel-et-poursuite-de-carriere>
- Courses from PSL  
<https://collegedoctoral.psl.eu/formation-doctorale/catalogue-de-formation/>
- College de France, CNRS, Université Paris Saclay...
- Many other offers in the Ile de France: do not hesitate!
- MOOC can also count



# For trainings not organized by the STEPUP

If the [training is not organized by the ED](#),

please contact Irena or myself prior to enrollment in order to be sure that the training can count for points.

If the [training is organized by other doctoral schools](#) (ED 127..

please contact the person in charge of the course to ask if you can enroll (and Irena and myself)

If the training is at [College de France](#),

there is a certificate of presence to establish (contact Irena for paperwork)

**Then, ask for a certificate of attendance and send it to Irena or myself**

# Conclusions

- Start thinking from the beginning of your PhD what are the trainings that will be of interest for you during and after your PhD
- Fill in your individual training project and send it to Irena or myself by the beginning of December
- If you can not attend a course you have registered for, please inform the lecturer and put us in CC
- Do not hesitate to contact Cecile ([prigent@ipgp.fr](mailto:prigent@ipgp.fr)) or Irena ([nikolic@lpnhe.in2p3.fr](mailto:nikolic@lpnhe.in2p3.fr)) for any further questions
- Make the best of the next 3 years!

At UPC: <https://u-paris.fr/bibliotheques/doctorants-se-former/>

The screenshot shows the website for Université Paris Cité. The browser address bar displays <https://u-paris.fr/doctorat/tout-le-catalogue/>. The navigation menu includes: **Les Écoles Doctorales**, **Financer sa thèse**, **Réaliser son doctorat UP**, **Se former**, and **Diriger des recherches**. A search bar contains the text "Rechercher une formation". A red banner states: "L'offre de formation du département de formation des doctorants est en cours de renouvellement pour l'année universitaire 2022-2023. Le catalogue sera mis à jour très prochainement." Below this is a grid of seven service tiles:

- English speaking courses**
- Enseignement supérieur et recherche**
  - > Enseignement et pédagogie
  - > Recherche et valorisation
- Emplois et carrières**
  - > Entreprise et organisations
  - > Innovation
- Humanités numériques**
- Langues**
- Outils et méthodes**
  - > Éthique et intégrité scientifique
    - > Gérer sa thèse
  - > Médiation et communication
  - > Outils numériques
- Science ouverte**

Enrollment through AMETHIS interface.

# Sorbonne Université trainings

rs1801576 (BU018)	AA	GG	AG	$\chi^2 = 12.388$ $p = 0.002$
	25 (36.2)	9 (13.0)	35 (50.7)	
	38 (67.9)	4 (7.1)	14 (25.0)	
rs1047130 (BU018)	GG	AA	AG	$\chi^2 = 12.306$ $p = 0.002$
	43 (64.2)	6 (9.0)	18 (26.9)	
	19 (32.8)	9 (15.5)	30 (51.7)	
rs1365866 (BU018)	GG	TT	GT	$\chi^2 = 8.719$ $p = 0.013$
	15 (22.4)	19 (28.4)	33 (49.3)	
	26 (46.4)	8 (14.3)	22 (39.3)	
(BU018)	AA	GG	AG	$\chi^2 = 6.367$ $p = 0.041$
	22 (31.9)	14 (20.3)	33 (47.8)	
	9 (15.8)	21 (36.8)	27 (47.4)	



## Développement du projet professionnel

LETTRES

MÉDECINE

SCIENTES & INGÉNIEURIE

<https://www.sorbonne-universite.fr/recherche-et-innovation/le-doctorat/developpement-du-projet-professionnel-et-poursuite-de-0>

# Sorbonne Université trainings: Job Teaser

<https://www.sorbonne-universite.fr/sites/default/files/media/2021-01/calendrier-janvier-juillet2021.pdf>

## Approfondissement méthodologique et environnement numérique

### Environnement numérique

LaTeX for beginners		3x0.5j
LaTeX Intermediate level		2x0.5j
Thesis writing using LaTeX		0,5 j
Mettre en forme son manuscrit de thèse avec Microsoft Word	Français	0,5 j
Format your PhD manuscript using Microsoft Word	Anglais	0,5 j
Software		0,5 j
Gérer ses figures avec Microsoft Word	Français	0,5 j
Managing figures using Microsoft Word	Anglais	0,5 j
Mettre en forme son diaporama avec Microsoft Powerpoint	Français	0,5 j
Create a presentation with Microsoft Powerpoint	Anglais	0,5 j
Contribuer à Wikipedia	Français	0,5 j
Contribute to Wikipedia	Anglais	0,5 j
Extraire des données en ligne et publier ses propres données		0,5 j
Visualisation des données sous R		0,5 j

Janvier	Février	Mars	Avril	Mai	Juin	Juillet
	4, 11, 18					
				13, 20, 27		
28						
	2	16		11		
	25		19			
			8	25		
	26	22	22			
25		18				
	12	23				
		8	9			
			16	12		
					7	
		16, 17, 18				
	16, 17, 18					

## Communication et langues

### Communication

Découvrez les principes d'efficacité de la communication écrite et orale		1 j
Communiquez efficacement à l'écrit	Français	2 j

Janvier	Février	Mars	Avril	Mai	Juin	Juillet
26						
28, 29		22, 23			1, 2*	

# Courses by PSL

## Catalogue de formations transverses

Accueil > Formation doctorale > Catalogue de formations transverses



### Catalogue de formation

Le Collège Doctoral propose aux doctorants de PSL une large gamme de formations à vocation professionnalisante (emploi, carrière, communication, management...) mais également des formations plus spécifiques.

#### Formation doctorale

##### Catalogue de formations transverses

##### Innovation et entrepreneuriat

PSL-iTeams

[Retour sur PSL-iTeams 2020/2021](#)

[Retour sur PSL-iTeams 2019/2020](#)

[Retour sur PSL-iTeams 2018/2019](#)

[Retour sur PSL-iTeams 2017/2018](#)

##### Ethique et intégrité scientifique

##### Enseignement et pédagogie