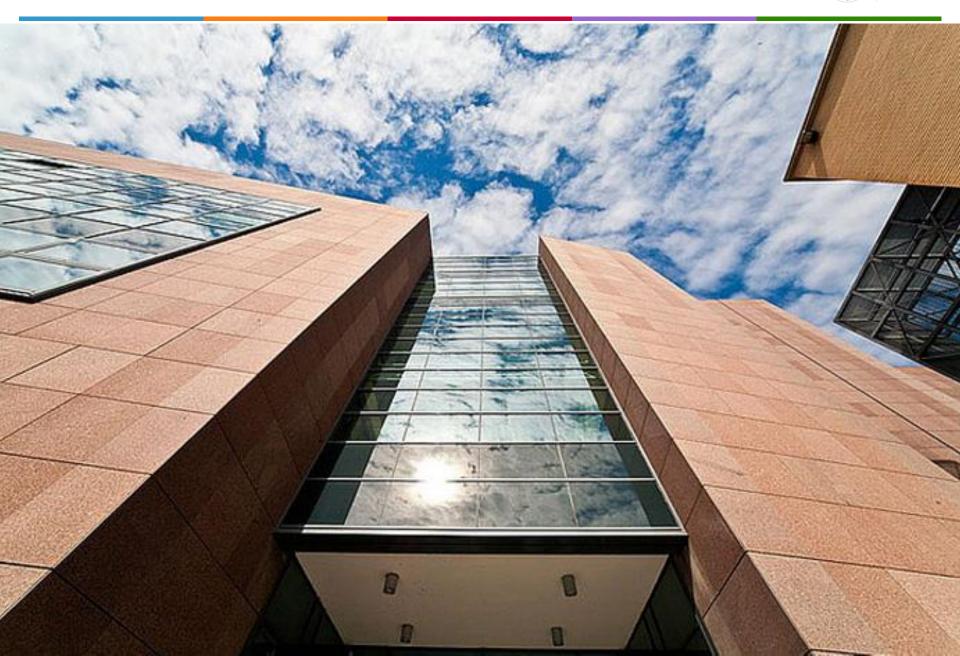
PhD @ Politecnico di Torino





Polito at Glance (a.y. 2017/18)



https://www.polito.it/ateneo/colpodocchio/index.php?lang=en 15,4% 34.095 International Students students in total 5.300 Students enrolled Students in the first year from outside **Piedmont** 690 PhD candidates

Research areas























The doctoral program @ Politecnico di Torino



THE DOCTORAL SCHOOL (1999)

The PhD programs at Politecnico di Torino are managed by a unique structure, the Doctoral School

The School is in charge of:

- The harmonization of the various PhD, yet preserving their essential differences
- The coordination of the training and cultural activities
- The control of the PhDs quality and the accreditation assurance
- The promotion and management of the strategic choices and of the scientific policy involving the PhDs









PhD PROGRAMS

DAD

ARCHITECTURAL AND LANDSCAPE HERITAGE ARCHITECTURE, HISTORY AND PROJECT

DAUIN

COMPUTER AND CONTROL ENGINEERING

DENERG

ENERGETICS

DET

ELECTRICAL, ELECTRONICS AND COMMUNICATIONS ENGINEERING METROLOGY (INRIM)

16

DIATI

CIVIL AND ENVIROMENTAL ENGINEERING

DIGEP

MANAGEMENT, PRODUCTION AND DESIGN

DIMEAS

AEROSPACE ENGINEERING BIOENGINEERING AND MEDICAL-SURGICAL SCIENCES (UNITO) MECHANICAL ENGINEERING

DISAT

CHEMICAL ENGINEERING
MATERIALS SCIENCE AND TECHNOLOGY
PHYSICS

DISMA

PURE AND APPLIED MATHEMATICS (UNITO)

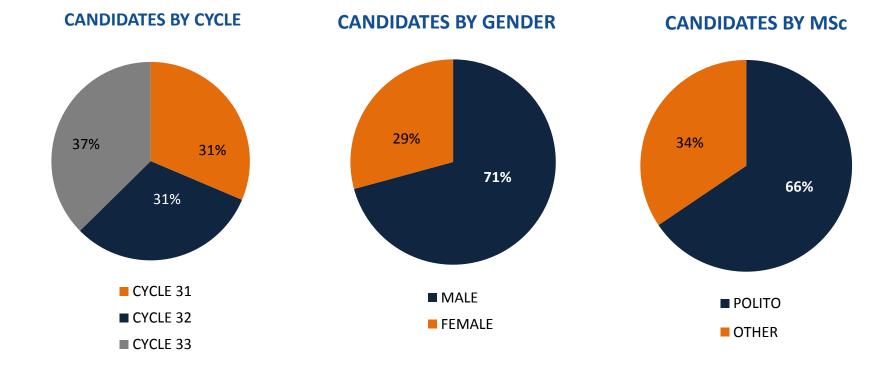
DIST

URBAN AND REGIONAL DEVELOPMENT (UNITO)



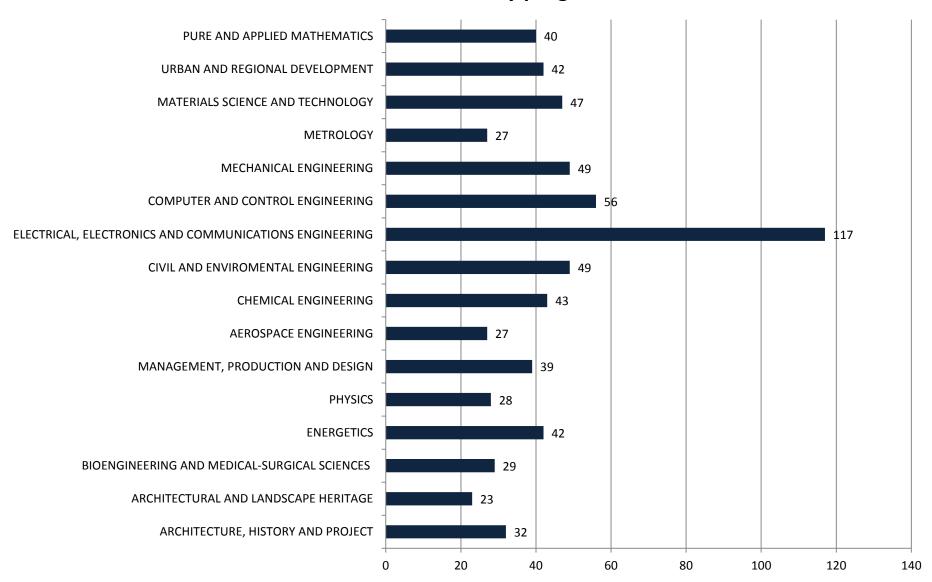
FACTS & FIGURES ABOUT PhD @ POLITO

- 690 PhD CANDIDATES
- 16 PhD PROGRAMS



FACTS & FIGURES ABOUT PhD @ POLITO

PhD Candidates by program





ORGANIZATION OF PHD PROGRAMS

COORDINATOR

√ designs and implements the PhD program

✓oversees the overall training activities

ACADEMIC BOARD V

√ verifies the achievement of educational goals







supervises the development of training and research

TUTOR

- ✓ is primarily responsible and referent to the Academic Board of activities and progress in research of the PhD student.
- tutor's report and evaluation are determinant to the admission to the following year

PhD candidates have to keep in continuous contact with their tutor, to share the choice of the most suitable activities for the research project, to update and to discuss the progress of research.

REPRESENTATIVE OF THE PhD CANDIDATES





PhD candidates are both students and early stage researchers

The three-years programme is aimed at acquiring competences and training necessary to carry out research activities, **not only in academic environment**, but also in companies looking for professionals who are able to manage innovation process and interface with both academic environment and productive system.

PHD REGULATIONS

COMMON RULES FOR ALL PHD CANDIDATES

http://dottorato.polito.it/en/legislation

National regulations

- Ministerial Decree on doctoral education DM 8 febbraio 2013, n. 45
- Reform of the University Law n. 240/2010 (art. 19 doctoral education)
- Rules on scholarships Law n.476/1986

Internal regulations

- Regulations for PhD Program
- Final exam
- Plagiarism
- Maternity leave

PHD REGULATIONS

SOME GENERAL RULES

- Contemporary enrolment in a PhD programme and in another course, awarding an academic title, is strictly forbidden
- The PhD career is a full-time activity; consequently, candidates are not allowed to carry out a parallel full-time activity. Occasionally working activities can be authorised only by the supervisor and the coordinator of the PhD programme.
- Suspension of the PhD career: allowed in case of <u>serious illness</u> and <u>maternity leave</u>. Compulsory maternity leave: 5 months; an additional period of leave can be asked (up to a maximum of 12 months in total).
- Dropping out of the PhD: candidates have to inform the School and fill in the form. **TBN**: If the student drops out before the deadline for the payment of the 2° instalment of tuition fees expires, he/she will not have to pay it.
- All industrial and intellectual property rights resulting from activities in which Ph.D. students have been involved in any way, are exclusive property of PoliTO. Ask to TT office (<u>brevetti.spinoff@polito.it</u>) for all information and before signing any agreement!



ETHICS AND PLAGIARISM

"Plagiarism is the practice of taking someone else's work or ideas and passing them off as one's own." —New Oxford American Dictionary

"Plagiarism means to steal and pass off (the ideas or words of another) as one's own. To use (another's production) without crediting the source." —Merriam—Webster Dictionary

IEEE defines plagiarism as "the use of someone else's prior ideas, processes, results, or words without explicitly acknowledging the original author and source"

If plagiarism is identified in unpublished (internal) documents (like course reports, thesis drafts, etc), the author(s) is/are referred to Politecnico's Discipline Committee

Plagiarism in published, official documents (like final thesis, journal articles, etc) is unlawful and Politecnico is required to inform the local Court

More information about plagiarism and auto plagiarism is available in: http://dottorato.polito.it/it/esame_finale



ETHICS AND PLAGIARISM

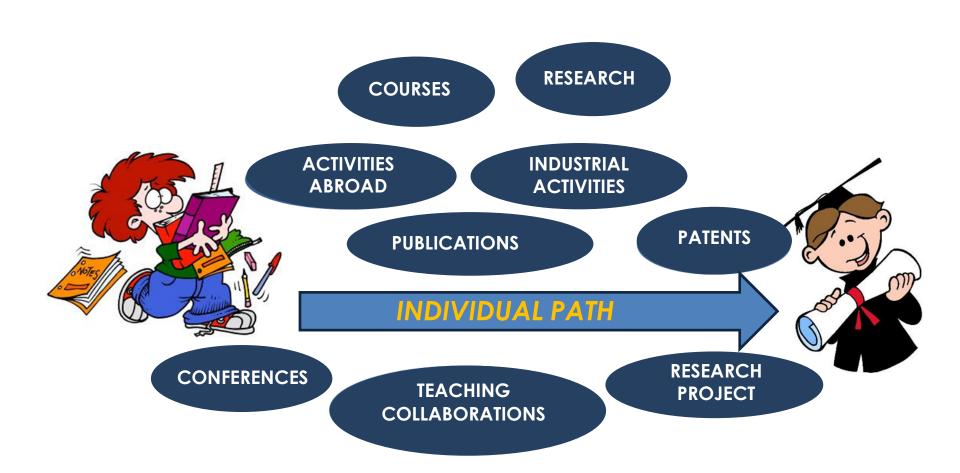
ALL TO-BE-SUBMITTED PHD THESES WILL BE CHECKED WITH ANTI-PLAGIARISM SOFTWARE

BUT, YOU ARE INVITED TO USE THIS TOOL DURING YOUR WHOLE PHD (ASK THE SUPERVISOR)

An online course about ethics and research integrity will be available in a few months on your student portal. This course will be complemented by a seminar.

VERY USEFUL FOR CANDIDATES IN THEIR 1st YEAR

PHD CANDIDATE PATH





COURSEWORK MADE UP OF:

HARD SKILL COURSES:

SCUDO runs a catalogue of 3rd level courses for PhD candidates.

Courses catalogue is available at: http://dottorato.polito.it/en/courses

You can also attend courses outside Polito.

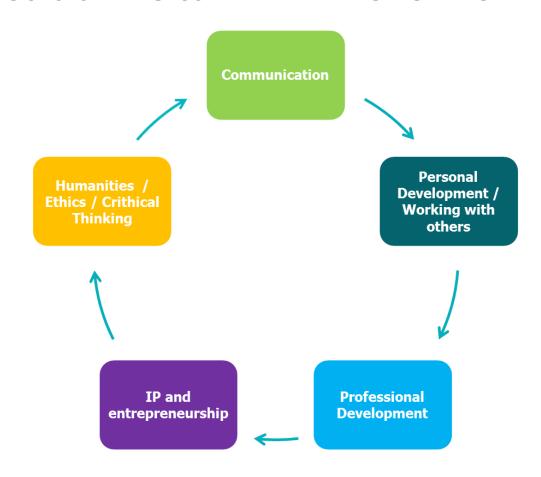
SOFT SKILL COURSES:

Soft skill courses are <u>non-field-specific courses</u> and are meant to provide students with transferable skills which will enable them to comply with the new challenges of the global economy (for example, writing and presentation skills in English, project management, fundraising, communication of research results,...)

Language courses, cultural courses and professional training courses such as, for example, for Engineer and Architects. Are not recognizable as transferable skills training.



SOFT SKILL COURSES ARE CLUSTERED IN THE FOLLOWING AREAS:



Some courses can be attended on line

http://dottorato.polito.it/it/elenco corsi trasversali

PHD ACTIVITIES

- 1. Education
- 2. External research activity
- 3. Scientific production

A point-system is in place for all PhD activities



Regulation on accounting of PhD activities

1) EDUCATION (i.e. Courses)

Minimum requirements: 100 hours of hard skills + 40 hours of soft skills

Points are given multiplying the number of hours for the grade. There are only 2 possible grades: PASS (1,33) or PASS WITH MERIT (1,67).

Each PhD programme respects ScuDO guidelines, but the Academic Board can add further requirements and set internal regulations.

Check with your coordinator

2) EXTERNAL RESEARCH ACTIVITY

 External research activity: points awarded for research training carried out in Italy and abroad
 R = days/5

No minimum requirement



Regulation on accounting of PhD activities

3) SCIENTIFIC PRODUCTION

R= $50N + a \Sigma$ publications (P_i f_i)

Minimum requirement: at least 1 publication in an international journal (N>=1)

P: value of the publication according to the bibliometric criteria of Polito (https://didattica.polito.it/zxd/cms_data/attachment/30/Criteri%20Bibliometrici_ENGLISH.pdf)

f: level of intellectual property ownership

a ≥ 10 each PhD programme decides

Insert all your publication on the institutional repository

N.B. Ask for your ORCHID CODE (<u>www.orchid.org</u>) and always indicate it

Use the Polito repository IRIS



DISSERTATION EVALUATION AND FINAL DEFENCE

Since the 29th cycle, new modalities for the final defence are in place.

THESIS MUST BE FINISHED AT THE END OF THE 3RD YEAR

External revision for all thesis

Find more information in the following link:

http://dottorato.polito.it/en/final examination



FINANCIAL SUPPORT TO DOCTORAL STUDIES

Scholarship

Scholarship amounts to € 17.500 (gross per year)

Additional budget for mobility

Budget of 1750/yr available in 2nd and 3rd year dedicated to each PhD candidate with or without scholarship for short stay mobility, in Italy and abroad. Budget managed by Department.

TBN: IIT and INRIM scholarships → budget managed directly by the Institute
 international projects → mobility funds of the project

Financial support for rewarding talented PhD candidates

100 k€/yr for monetary prizes: € 1200 to 2° yr candidates, € 2500 to 3° yr candidates

Evaluation is made by the academic board (in the summer)

UPDATE CONSTANTLY YOUR PORTAL



Financial support for PhD candidates (with scholarship)

50% increase of the scholarship for periods of international mobility (max. 18 months)

TBN: in order to receive the increase, a specific form shall be signed by the Coordinator. Submit the request a month before the departure date.

Please note that the 50% increase will be credited starting from the first date of mobility (not before the departure).











Several other opportunities for carrying out academic and research activities at international level are available to PhD candidates.

Pay attention to ScuDo communications!

TBN: If you spend a period of research abroad you're covered by the PoliTo insurance, for more informations contact: assicurazioni@polito.it



THE DOCTORAL SCHOOL WEBSITE

http://dottorato.polito.it



News on open calls for admission, upcoming events, competitions, office closure

Information for PhD candidates and companies

- Course catalogue (hard and soft)
- Study plan
- Study abroad
- Important step in PhD carrer
- Useful links
- Final defence

In the section
Legislation all the official documents concerning rules and regulations



STUDENT AND PHD EMAILS

ID Accounts of PhD Student

Each new PhD student is assigned two new parallel IDs: one of them is valid for the **Student Services** (login *Students*), the other one is for **Research Services** (login *Staff*). Both of them are linked to two different ID numbers.

	SERVIZI PER LA RICERCA	SERVIZI PER GLI STUDENTI
ID NUMBER	D111222	s333444
MAIL ADDRESS	d111222@polito.it	s333444@studenti.polito.it
ALIAS	john.smith@polito.it	john.smith@studenti.polito.it
PASSWORD	n-S-dd-mm-yyyy	dd/mm/yyyy

n = Name initial (lowercase)

S = Surname Initial
(uppercase)

dd = birth day (two-digit n°)

mm = birth month (two-digit n°)

yyyy = birth year (four-digit n°)

SERVIZI PER LA RICERCA (RESEARCH/PHD EMAIL)

This e-mail address will be used by the Doctoral School (ScuDo) for official communications and will be visible in PoliTO Address Book.

It is possible to use this email account through PoliTO Webmail Service at the following link: http://mail.polito.it.

SERVIZI PER GLI STUDENTI (STUDENT EMAIL)

It is possible to log in the student email account from the Student Portal.

TBN: The students holding previous ID numbers (i.e. if they have already been PoliTO students) can still use those IDs but they should know that the password for that account is that which is set for the new ID (dd/mm/yyyy).

Since students will have to manage two different email accounts, it is **strongly** recommended that they choose which email account is the main one, while **setting an automatic email forward from the secondary email account to the main one.**



STUDENT ACCOUNT AND PORTAL



- > Modifica password
- > Hai dimenticato la password?
- > Hai bisogno di aiuto?

STUDENT ACCOUNT

To access your student account login with the username (S + Student Number @studenti.polito.it) and password



TBN: lost password can be reset asking to ScuDO



Student Email: s124356@studenti.polito.it

TBN: student email is <u>not your official email</u>, you will not receive communications from ScuDo on that email account. The official email account is the PhD account (name.surname@polito.it))



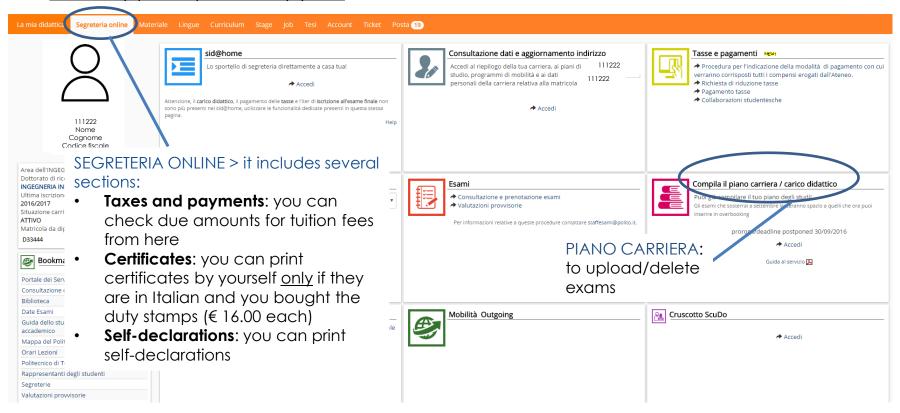
STUDENT ACCOUNT AND PORTAL

Segreteria online > uploading courses and editing the **Study plan**, paying the tuition fees, getting certificates and self certification, registering to the final exam.

The electronic study plan permits professors to communicate with the students and exchange materials with them.

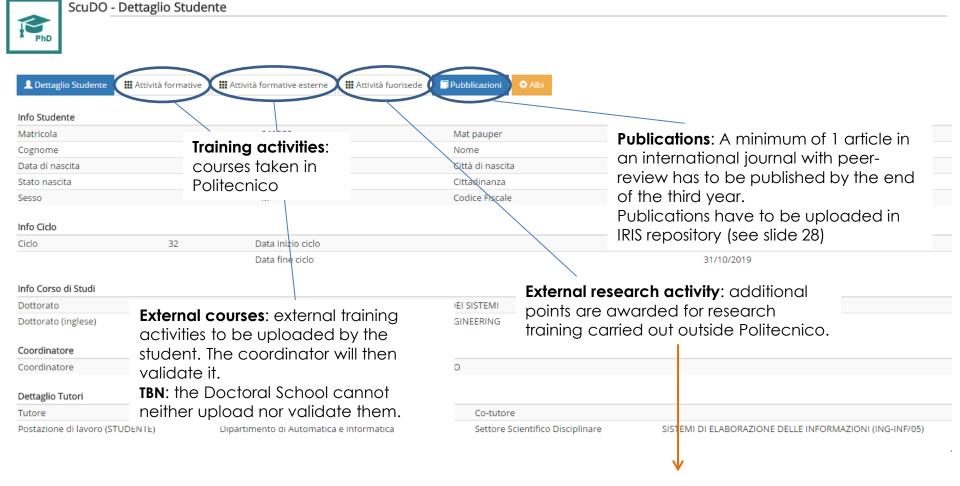
You have to upload a course in the study plan to have it registered after the examination.

TBN: the study plan opens every year and remains editable for 5/6 months.





STUDENT ACCOUNT - CRUSCOTTO SCUDO



IT IS UP TO YOU TO FILL THIS SECTION

STUDENT ACCOUNT AND PORTAL

From your Portal you will be able to:

- **verify the number of hours/points** totalised for courses, publications and external research activities
- **upload courses** attended outside PoliTO to be validated by the coordinator (not by ScuDO)
- upload external research activities

Information about courses at PoliTO:

- Courses **are registered via an online procedure** by the teaching professor (not ScuDO). In order to get the points, it is necessary to comply with course requirements and to have the right course code in the study plan.
- Courses' **programme and hours are available on line** (if hours and dates are not mentioned, contact the professor directly)

 Check: http://dottorato.polito.it/en/courses
- Course starting: **news on starting dates** of 3rd level courses appear on ScuDO web site

Check: http://dottorato.polito.it/en/course_starting



REGISTRATION OF EXTERNAL RESEARCH ACTIVITIES

PREVIOUS APPROVAL

- Upload all information about your activity before the departure, the coordinator shall approve.
- When you return to Politecnico, upload a report on the activity carried out, duly countersigned by the person you had worked with.
- The Coordinator shall then validate it, if satisfactory.

You are invited to upload in this section all the external research activities carried out throughout the three years of your PhD career.



You can attend courses outside Politecnico but they have to be validated. The procedure is similar both for hard and soft skills courses.



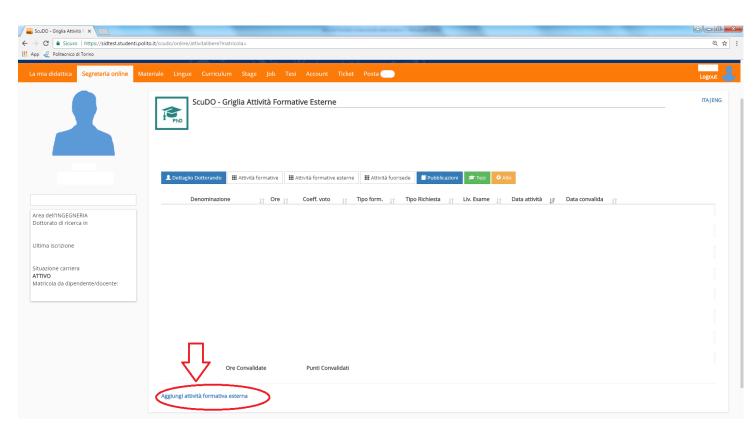


A. SOFT SKILL COURSES

REQUEST FOR PREVIOUS APPROVAL

Before following an external course, you have to submit it to the Doctoral Committee for transferable skills training.

1. From Cruscotto – section «External Training Activities» select the item «Add an External Training Activity»

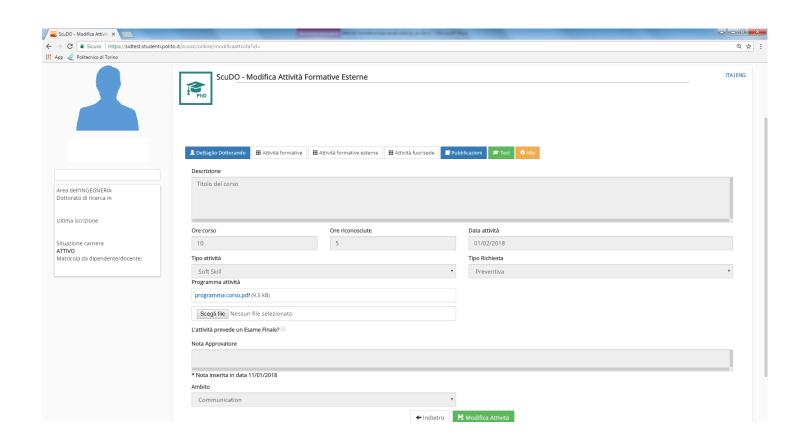




A. SOFTSKILL COURSES

REQUEST FOR PREVIOUS APPROVAL

2. Enter ALL data relative to the course for which the evaluation is requested, included the syllabus, number of hours and activity program.





A. SOFTSKILL COURSES

AT THE END OF THE COURSE

You have to ask for the validation to the Doctoral Committee for Transferable Skills Training

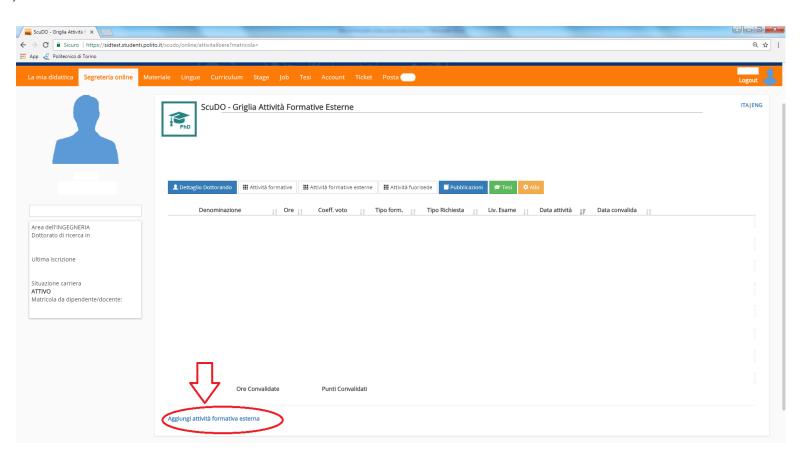
- 1. From Cruscotto section "External Training Activities" select the related course clicking on "Edit"
- 2. Attach the certificate of attendance/certificate attesting that you passed the final test
- **3.** The Doctoral Committee for Transferable Skills Training will validate the course and the number of hours

NO MORE THAN 30 HOURS CAN BE VALIDATED FOR EACH EXTERNAL COURSE



B. HARDSKILL COURSES

1. From Cruscotto – Section «External Research Activities» select the item «Add an External Training Activity»:



B. HARDSKILL COURSES

- **2.** Enter ALL data relative to the course for which the evaluation is requested, including program and sylabbus, certificate of attendace/certificate of having passed the final exam.
- 3. The coordinator will validate the course level and hours (that can be reduced)

NO MORE THAN 30 HOURS CAN BE VALIDATED FOR EACH EXTERNAL COURSE



ENROLMENT AND TUITION FEES

Enrolment in second and third year

- 1. Admission in 2nd and 3rd year shall be granted by the Academic Board (October)
- 2. Enrolment is made autonomously by candidates:
 - a) Updating the study plan via Segreteria online>compila piano carriera/carico didattico
 - b) Paying the tuition fees

For further information check the fee regulations https://didattica.polito.it/tasse-riduzioni/Guida-tasse-17-18-en.html



PHD ACCOUNT AND PORTAL

ITA ENG



- > Modifica password
- > Hai dimenticato la password?
- > Hai bisogno di aiuto?

PHD ACCOUNT

To access the PhD account, login with «name.surname@polito.it» and password



TBN: lost password cannot be reset by ScuDO. If necessary, contact <u>5050@polito.it</u>



The PhD email (<u>name.surname@polito.it</u>) is the official email to which ScuDO writes official communications



PHD ACCOUNT AND PORTAL

Sito ANVUR - Abilitazione Scientifica Nazionale (ASN)

- Sezione Documenti
- Sezione FAQ
- Sezione CV aspiranti commissari Paesi OCSE

· Le mie pubblicazioni

- Accesso al catalogo della Ricerca IRIS (inserimento/modifica pubblicazioni)
- NEW Documentazione IRIS e tutorial
- Nuovi Criteri Bibliometrici

Elenco delle pubblicazioni (fonte dati UGOV-Catalogo della Ricerca)

o Esportare l'elenco in in diversi formati e con differenti filtri

Indicatori CCB e punteggi sulle proprie pubblicazioni

• Elenco delle proprie pubblicazioni con l'indicazione della classificazione "ISI" "ISI Like" o "NON ISI"

Elenco di Ateneo di libri e riviste con l'indicazione della classificazione "ISI" "ISI Like" o "NON ISI"

- Elenco Riviste
- Elenco Libri

FAQ e informazioni su pubblicazioni e criteri CCB

The section MYPoli of the PhD portal allows you to access the area dedicated to the uploading of research articles and Phd thesis via the repository system IRIS

(MYPoli > La mia Ricerca > Le mie Pubblicazioni > Accesso al catalogo della Ricerca)

Instructions on how to upload documents can be found in:

Le mie Pubblicazioni > Documentazione IRIS e tutorial

http://dottorato.polito.it/en/final_examination

Publications have to be uploaded here.

TBN: Before uploading your publication in IRIS you need to create an account on: https://loginmiur.cineca.it/ so that your publications in IRIS will be associated directly to the ministerial repository.

DOCTORATE AND INTERNATIONALIZATION



Thanks to a strong network of connections and exchange programmes, Politecnico di Torino is able to offer to its PhD candidates several **opportunities for carrying out academic and research activities at international level** (i.e. A* Star Programme in Singapore, Bando Vinci to support mobility towards France, European initiatives in the frame of Horizon 2020 and Erasmus+, ...)

The School offers also the possibility to obtain a double PhD degree: (thesis co-tutelle), that will allow the student to have an highly-qualifying international research experience.



DOCTORATE AND INTERNATIONALISATION



REQUIREMENTS

Finding a supervisor in the Host University

Normally, the minimum stay at the Host University is 12-18 months

Complying with all the requirements set by PoliTo and the Host University

Admission in the final exam granted both by Home and Host University Academic Boards

OPPORTUNITIES

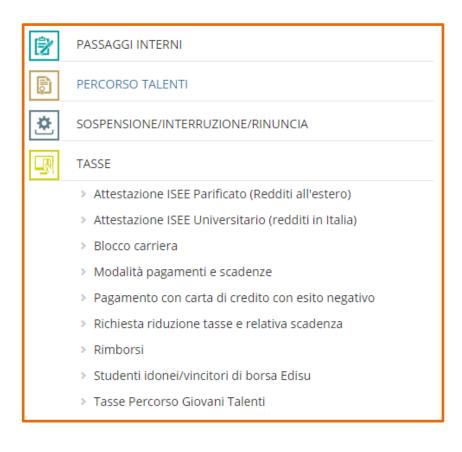
Dual supervision of thesis and dual PhD degree

International research and academic activities enhancing intellectual and technological transfer, enriching the candidates' scientific background

For information concerning mobility within the framework of existing agreements or to establish a cotutelle with a new partner university, contact scudo@polito.it

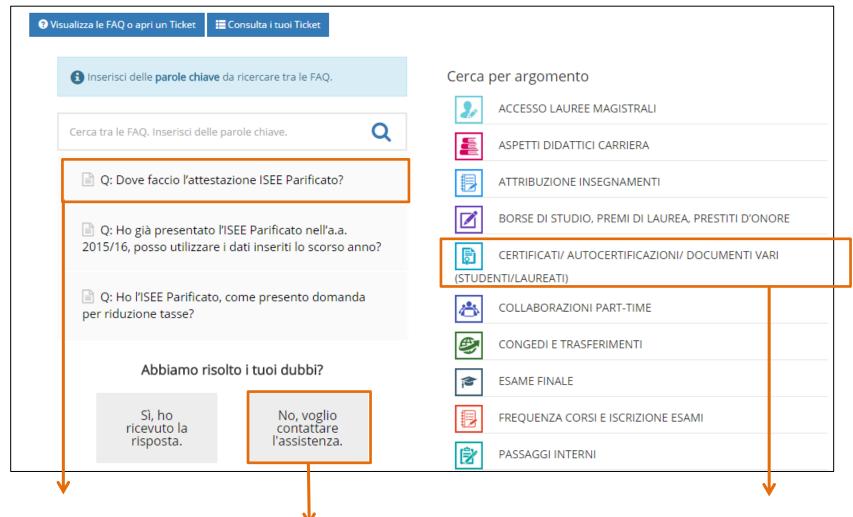


If you have any questions related to your "Student Life" look up the FAQ on your student portal





TO ASK FOR INFORMATION



Click on the FAQ to read the answer

If you couldn't find your answer, send your question through a ticket To ask for certification



STUDENT OFFICE:

Certificates, tuition fees, enrolment

https://didattica.polito.it/index_en.html

FOREIGN CITIZENS:

International students office, accommodation and relocation support, information on visa and residence permit

http://international.polito.it/it/informazioni pratiche/contatti

OUTGOING STUDENTS:

Erasmus + calls and applications

https://didattica.polito.it/studiare_estero/studenti.html

Languages Centre (CLA):

https://didattica.polito.it/cla/en/about_us/



















OFFICE HOURS:

Mon-Fri from 8.30 to 12.00



Central Committee for the promotion of equal opportunities, workers' welfare and non-discrimination





MISSION

- Promoting equal opportunities
- Preventing and combating all forms of discrimination based on sex and sexual orientation, race, ethnic origin, religion, personal and political beliefs, disability conditions, age;
- Promoting the well-being of those who work and study at the Polytechnic.
- It is at the service of all the members of the Politecnico di Torino: faculty, administrative and technical staff, research fellows, students.
- It offers many services for work-life balance
- Website <u>www.swas.polito.it/services/cug/</u>
- You can request an appointment to report to CUG situations of difficulty or inconvenience or ask for information on services, by email cug@polito.it



THE CONFIDENTIAL COUNSELLOR

- The **Confidential Counsellor** is an external figure of counseling and assistance for cases of sexual harassment, moral or discriminatory behavior.
- http://www.swas.polito.it/services/cug/consigliera_fiducia.asp
- The Confidential Counsellor of the Politecnico di Torino is the lawyer. Arianna Enrichens.
- You can contact her, in total privacy, through:
 - E-mail: consigliera.fiducia@polito.it (will reply within 2 days)
 - Telephone office: 011.090 7853. She answers only on Thursday during reception hours between 1pm and 4pm.

<u>Fix an appointment</u> at the CUG premises, located on the 2nd floor of the Palazzina Custodi (above the "Policino micronido") of Corso Castelfidardo, 49.



SURVEY ON MONITORING AND EVALUATING THE QUALITY OF LIFE AT THE UNIVERSITY

- Every year the CUG conducts a survey for the assessment of the quality of life and organizational well-being of those who work and study at the Polytechnic.
- This year the first on-line Survey was launched for teachers, technical-administrative staff and Research Fellows (July-September).

For students and doctoral candidates **4 focus groups are scheduled** in January-February **to collect your perceptions**.

Each focus group is led by a team of psychologists of the University of Turin. Max duration 2 hours.

We are looking for volunteers

If you who are available to attend one of these focus groups, contact me at the end of this meeting.



















WELCOME AT POLITECNICO DI TORINO!