Politecnico di Torino

Regulations for the Ph.D course in Physics

Issued with Rector's decree no. 1087 of September 25th 2025
In force since September 25th 2025

Art. 1 – Subject of the Regulation

1. In full compliance with the current legislation and regulations regarding Doctoral Programs (hereinafter referred to as University Regulations), this Regulation governs the organizational and educational aspects of the Doctoral Program in Physics (hereinafter referred to as the Program).

Art. 2 – Course Description and Educational Objectives

1. The description of the Doctoral Program in Physics along with the definition of the educational objectives is subject to discussion and possible updates by the Academic Board annually, following consultation with the Consultation Committee, typically in conjunction with the accreditation practice of each Cycle.
2. The description of the Program and its educational objectives, as recorded in the Academic Board minutes, is posted on the dedicated website.
3. The administrative headquarters of the Program is located at the Department of Applied Science and Technology (DISAT).
4. The official languages of the Program are Italian and English. General communications, events organized by the Program, teachings, and related examinations are generally conducted in English. The doctoral thesis and its final defense are in English.

Art. 3 – Research Macro-Areas

1. The research macro-areas, developed also through interdisciplinary and multidisciplinary approaches within the Program, are as follows:
    1) Experimental physics of matter
    2) Theoretical physics of matter
    3) Physics of complex systems
    4) High energy physics

2. The Academic Board approves the research topics that are the subject of the Training Projects of the doctoral candidates annually. The description of the research topics for each macro-area is posted on the dedicated website of the Program.

Art. 4 – Renewal of the Doctoral Program

1. The Coordinator convenes, within the month of October of each year, a meeting of the Academic Board to discuss the renewal of the Program or the possible new accreditation in the event that the cases referred to in Article 5 of DM 226/2021 occur (change in the name of the Program, change in the composition of the Academic Board by more than twenty-five percent compared to the initial composition of the reference cycle, or change in the Coordinator of the Program, while ensuring compliance with the requirements stipulated in Article 4 for each member of the Academic Board).
2. Within the same timeframe, the opinion of the Department of Applied Science and Technology, the administrative headquarters of the Program, must be obtained.
3. The Coordinator then presents the proposal to the Doctoral School Board.

Art. 5 – Course Catalogue

1. Each year, according to the deadlines indicated by the Doctoral School, internal professors of the University can submit proposals for technical-specialist and/or cross-disciplinary teaching through the uploading of the form in the "third-level educational offer" procedure, for review by the Academic Board. Simultaneously, the Coordinator solicits proposals for new courses on topics deemed appropriate by the Consultation Committees.
2. Upon obtaining a favorable opinion from the Academic Board, the Coordinator forwards the final proposal adopted by the Academic Board for approval by the bodies of the Doctoral School, also based on any indications from the Consultation Committee.
3. The catalog of courses approved for the academic year is published on the Doctoral School's website. In the case of courses offered every other year, in order to allow doctoral candidates to have as complete a picture as possible of the catalog available for their study path, a biennial schedule is also published.
4. The catalogue is organized according to a schedule published on the University's website. To ensure that the publication can take place well in advance, instructors of "hard skills" courses communicate the dates of the beginning of the course within two months of the course start.
5. Regarding invited lectures (guest lectures), as per Article 11, clause 1 of the University Regulations, proposals - indicating the names and CVs of the proposed instructors - are submitted to the Coordinator of the Doctoral Program at least 20 days before the deadlines set annually by the Doctoral School for appropriate deliberations. The Coordinator, before transmitting the proposals to the School, obtains approval from the Department Director to which the initiative belongs, and assigns an order of priority in the case of multiple proposals.

Art. 6 – Organization of the Doctoral Program

6.1. Bodies of the Doctoral Program

The bodies of the Doctoral Research Program are:

a) The Academic Board
b) The Coordinator
c) The Executive Board

6.1.1 The Academic Board

Composition

1. The composition, functions, and eligibility requirements of the Academic Board members are established in Article 9 of the Regulations on Doctoral Research.
2. Individuals eligible to be part of the Academic Board, as indicated in point 1, submit a request to participate in the Academic Board, to be sent by e-mail to the Coordinator using the address phd.physics@polito.it, at least two months before the beginning of the annual accreditation procedure, accompanied by:

   a. Confirmation of meeting the minimum requirements specified in Article 9 of the Regulations on Doctoral Research, and the relevant indices for accreditation of the Program.

   b. Declaration of willingness to carry out activities at the Doctoral Program as a Supervisor or co-Supervisor.

   c. Declaration of non-membership/membership in Doctoral Committees at other Universities and, in the case of professors and university researchers belonging to another university, also a clearance issued by the home university.

d. Declaration of the macro-area to which they intend to be affiliated.

e. A brief CV.

3. The Academic Board evaluates the membership proposals considering the scientific qualification requirements specified by current regulations, as well as any additional constraints related to the diversity and balance of the cultural components characterizing the Program.

4. Prolonged and unjustified absence from Academic Board meetings during the year may be grounds for exclusion from the Board itself during the annual renewal phase of the composition as per point 6 of this article. Academic Board members who, without justified reason, are absent from meetings three times in a row lose their position.

5. The Academic Board presents to the Department Council, for its deliberation, the proposal for its composition.

6. The composition of the Academic Board is decided once a year, usually in anticipation of the accreditation renewal phase.

7. The Academic Board includes, for discussion of educational and organizational issues, two representatives of the doctoral students elected by the enrolled students in accordance with the Regulations for the election of student representatives in governing bodies and other collegiate bodies. These student representatives do not participate in discussions and deliberations regarding the annual evaluation of enrolled students and the organization of the final examination.

8. Supervisors, Co-Supervisors not belonging to the Academic Board and the Secretary of the PhD program are also invited, without voting rights.

9. The list of Academic Board members is published on the Doctoral Program website and promptly updated in case of changes.

Functioning

1. The Academic Board is convened by the Coordinator at least twice a year and whenever the Coordinator deems it necessary to carry out its tasks in a timely manner.

2. The invitation is sent via e-mail at least five working days before the meeting and includes the agenda. The notice period may be shortened, in case of urgent need, to two days.

3. The Academic Board may also be convened upon request of at least 1/3 of its members, who must specify the topic to be included in the agenda. In this case, the convocation must take place within ten days of the submission of the request.

4. Academic Board meetings may be held remotely or via teleconference as provided for in the Regulations for the conduct of collegiate body meetings via teleconference and using video conferencing systems.

5. Meetings of the Academic Board are chaired by the Coordinator and are valid if the majority of eligible members are present, deducting justified absences. In any case, the presence of at least one third of the members with voting rights is required for validity.

6. Academic Board members commit to regularly attend meetings and, in case of impossibility, provide written notice.

7. Resolutions are adopted with the favorable vote of the majority of those present and are immediately enforceable.

8. The functions of Secretary, responsible for drafting the minutes, are assigned to the Secretary of the PhD Program or to a member of the Board appointed by the Coordinator at the opening of the meeting.

9. For matters not covered by these regulations concerning the functioning of Academic Board meetings, reference is made to the University's General Regulations in force.

6.1.2. The Coordinator

1. The requirements and functions of the Coordinator are governed by Article 9.1 of the Regulations on Doctoral Research.

6.1.3. The Vice-Coordinator

1. The Coordinator proposes to the Academic Board a Vice-Coordinator who can replace the Coordinator in their functions in case of absence or impediment

6.2. Other Roles in the Doctoral Program Contributing to the functioning of the Doctoral Program are:

6.2.1 Consultation Committee

1. The Consultation Committee is appointed by the Academic Board and is composed of at least 6 high-international profile experts, external to the Politecnico di Torino and representing the four macro-areas of the PhD Program in Physics, as well as representatives from companies and research institutions.

2. The Committee meets at least once a year to assess the progress of the Program, develop proposals for defining and designing the educational offer and learning objectives, providing guidelines for continuous updating and improvement.

6.2.2 Supervisors and Co-Supervisors

1. At the start of each doctoral cycle, the Coordinator, or a delegate, conducts an investigation, taking into account the curriculum of the doctoral student, the research topics of interest to the student, the research macro-areas of the Doctoral Program as per the preceding Article 3, any themes of the assigned scholarship, and the availability of one or more professors to assume the role of Supervisor.

2. In the first meeting following the start of the doctoral paths, to be convened within two months, the Coordinator reports the results of the investigation to the Academic Board, which assigns each doctoral student a Supervisor and at least one Co-Supervisor. Normally, in the case of scholarships

with a specified theme, the Supervisor identified during the scholarship publication phase within the admission notice is confirmed.

3. The profile and main functions and responsibilities of Supervisors and co-Supervisors are outlined in the University Regulations.

4. If deemed necessary, and with the agreement of the doctoral student, the Academic Board may replace, by motivated resolution, the Supervisor and/or Co-Supervisor at any stage of the doctoral student's training cycle.

6.2.3 The Executive Board

1. The Executive Board supports the Coordinator in strategic activities that require complex instructional practices before their discussion and approval by the Academic Board.

2. The Executive Board of the PhD Program in Physics is composed of the Coordinator, the Vice-Coordinator, and four members appointed by the Academic Board as representatives of each of the macro-areas. The term of office of the Board members is three years. In the event of a resignation by a member, the corresponding macro-area must identify a new representative.

3. The Executive Board is responsible for preparing the documents to be submitted to the Academic Board, and in particular for:

   - quality assurance activities, including the preparation of the accreditation form and the evaluation/self-evaluation documents of the PhD Program required by ministerial procedures;
   - benchmarking activities;
   - the call of the annual meeting of the Consultation Committee and the presentation to the Academic Board of suggestions and comments collected during such meetings;
   - managing matters of particular urgency, on behalf of the Academic Board.

6.2.4 Committees

1. For managing the activities of the Program, the Academic Board has full autonomy to activate Committees for specific subjects under the coordination of a responsible member. The role of the Committees, their composition, any duration and/or renewal modalities, approved by the Academic Board, are published on the Program's website.

Art. 7 – Training Project and Declaration of Intent

1. Within three months from the beginning of their PhD Program, each doctoral candidate submits their Training Project outlining the study and research objectives they aim to achieve and the program of activities.
   The procedure for submitting the Training Project is as follows:
   I. The study plan must be visible on the dashboard (“cruscotto)”.
   II. The title and a brief description of the research project must be sent by e-mail to: phd.physics@polito.it

2. The Training Project is approved by the Academic Board, within two months of submission, and serves as a reference for the annual verification of the fulfillment of the doctoral candidates' training obligations. The Training Project, once approved by the Academic Board, must be uploaded by the PhD students to their dashboard in the section dedicated to the PhD student web page.

3. During the transition to the next academic year, the Training Project is presented to the Academic Board, which may request any adjustments it deems necessary.

4. The Board may, in agreement with the doctoral candidate, revise the Training Project during the course of study in consideration of emerging factors that may affect its feasibility.

5. The Training Project includes:

   a) the research program to be developed by the doctoral candidate under the guidance of the Supervisor and Co-Supervisor(s), including any off-site research activities.

   b) The plan for complementary educational activities related to the research, including any pre-planned external activities. With the Supervisor's authorization, the Training Project may include Level I or Level II courses if the doctoral candidate has not previously taken them or if they are not part of their academic workload in the case of simultaneous enrollment in another study program.

6. The Plan of educational activities included in the Training Project for enrolled doctoral candidates will be structured as described in the “Guide for PhD students in Physics” attached to this Regulations.

7. For the enhancement of external educational activities and research activities, refer to the Operational Procedures.

8. Within 6 months from the beginning of the PhD Program, the Supervisor and the doctoral candidate compile and sign the Declaration of Intent, which may be confirmed/updated at least once a year.

Art. 8 – Admission to Subsequent Years and Final Examination

1. In accordance with the University Regulations on Doctoral Studies and the related Operational Procedures, the Academic Board, nearing the end of each academic year, evaluates the progress of the educational and research path and decides on admissions to the following year and the final examination.

   The admission procedure includes:

   a. Verification of quantitative criteria as outlined in paragraphs 2, 3, and 4 of this section, based on the indicators defined in the Operational Procedures.

   b. Obtaining the opinion of the Supervisors.

   c. Verification of the progress of research activities and their consistency with the Training Project carried out through hearings with the Committee appointed by the Coordinator.

2. Any critical cases are discussed, gathering input from the Supervisors. At the end of the discussion, the Academic Board deliberates on admissions and documents the decisions.

Admission to the Second and Third Year

3. In accordance with the requirements specified in the Regulations on Doctoral Studies and the Operational Procedures, for admission

- to the second year, PhD students must:
  a. For training activities: complete, one month before the end of the first year, at least 40 equivalent [1] hours of hard skills courses included in their study plan.
  b. For research activities:
  I. one month before the end of the first year, send by e-mail a report on the activities carried out and on the progress of their work.
  II. By the 12th month of the Program, present their research progress to a Committee, formed by members of the Academic board of the PhD Program in Physics, appointed by the Coordinator.

[1] The number of equivalent hours is calculated by dividing the actual number of hours by:

- 1 for Level III courses (except for the seminarial course, which, as specified in the text, is worth 10 equivalent hours regardless of the actual number of hours);
- 2 for Level II courses;
- 3 for Level I courses;
- 2 for national/international schools without a final exam;
- 1 for national/international schools with a final exam.

- to the third year, PhD students must:
  a. For training activities: complete, one month before the end of the second year, at least 80 equivalent hours of hard skills courses included in their study plan.
  b. For research activities:
  I. one month before the end of the second year, send by e-mail a report on the activities carried out and on the progress of their work.
  II. one month before the end of the second year, send by e-mail a thesis project that will be presented during the discussion with the Committee for the admission to the third year.
  III. Have prepared, within the two-year period considered, at least one physics article signed with the affiliation to the DISAT Department. The article may be in the form of a preprint submitted to a journal or to arxiv.org.
  IV. By the 24th month of the Program, present their research progress to a Committee, formed by members of the Academic board of the PhD Program in Physics, appointed by the Coordinator.

Admission to the Final Examination

4. In accordance with the requirements specified in the Regulations on Doctoral Studies and the Operational Procedures, for admission to the final examination, doctoral candidates must meet the following quantitative criteria:

a. For educational activities:

- Complete at least 40 hours of transversal character (soft skills) courses.
- Complete at least 100 equivalent hours of technical-specialist courses (hard skills). Of these hard skills, at least 70 hours must be selected from the courses offered by the PhD Program in Physics at Politecnico di Torino. Attendance of the Physics seminarial course, which contributes 10 equivalent hours to the study load, is mandatory. Of the remaining courses, at least one must be multidisciplinary or belong to a macro-area different from the student research field.

The complete scheme of the minimum requirement is outlined in the **"Guide for PhD students in Physics"** attached to this Regulation.

b. For research activities

I. By the 35th month of the PhD Program:

a. Have spent at least 70 certified days abroad (equivalent to a Re parameter at least equal to 14).
b. Send the final report on the research activities by e-mail.
c. Send a draft of the PhD thesis by e-mail. The thesis, even if not in its final form, can be evaluated by the Committee appointed for the admission to the final exam.
d. Be a co-author, during the three-year PhD period, of at least 2 articles [2] published or accepted [3] in physics journals [4] indexed in WoS and/or Scopus, with affiliation to the Department of Applied Science and Technology.
e. Achieve a value of the research activity indicator: R ≥ 50.

[2] One publication may be substituted by a filed patent.

[3] A copy of the accepted but not yet published article, together with the acceptance letter, must be sent to the Academic Board.

[4] If the chosen journal or archive does not explicitly list "physics" among the declared topics, the Academic Board will assess the relevance of the proposed article to physics-related topics.

II. By the 36th month of the Program: present the thesis to a Committee, formed by members of the Academic board of the PhD Program in Physics, appointed by the Coordinator.

The forms to be used for preparing the reports required for year transitions and for the admission to the final examination, the e-mail address to be used, and the activities of the Committees responsible for evaluating PhD students, are detailed in the **"Guide for PhD students in Physics"** attached to this Regulation.

Art. 9 – Criteria for Distribution of Resources

1. The Course annually transposes the University's resources in terms of funded and/or co-funded grants, as well as the list of thematic grants funded and/or co-funded from departmental and/or external resources.

2. The Academic Board defines in which sessions of the call for admission to publish the grants, using the appropriate application made available by the University.

3. The Selection Committee appointed by the Rector according to the Regulations on Doctoral Programs shall allocate the available scholarships to the winners taking into account the final ranking, judgment of eligibility and preferences of the winners.

Art. 10 – Amendment of the Internal Regulations of the Doctoral Program

1. Any amendment to these Regulations must be approved by the Academic Board and submitted for review to the Doctoral School and approval by the Academic Senate, subject to the opinion of the Board of Directors.

Art. 11 – Final and Referral Provisions

1. These Regulations supplement, to the extent expressly provided therein, the provisions established by the current national legislation and the University Regulations regarding Doctoral Research, which are fully and directly applicable in any case.
2. These Regulations apply to students of the 38th cycle and subsequent cycles, except where these regulations impose stricter constraints or requirements.

Guide for PhD students in Physics

(valid for students of the 38th cycle and subsequent cycles)

1. Supervisor and Co-Supervisor – The Academic Board of the PhD Program appoints the Supervisor and Co-Supervisor of each PhD student, within the first two months of the cycle. Based on the student's research topic, the Supervisor is selected from among the members of the Academic Board or from among the physics researchers of the Politecnico. The Co-Supervisor is proposed by the Supervisor and must be approved by the Academic Board. The Co-Supervisor may also belong to other Research Institutions or Universities involved in the research activity, in accordance with the PhD Regulations of the Politecnico. Any changes of the Supervisor and/or Co-Supervisor, to be considered as an exception, are evaluated and approved by the Academic Board before the start of the second year. If deemed necessary, and with the student's agreement, the Academic Board may replace the Supervisor and/or Co-Supervisor at any stage of the student's PhD Program, through a motivated resolution.

2. Declaration of Intent – Within six months from the start of the PhD Program, the student must upload the **Declaration of Intent**, completed and signed together with the Supervisor, to the student dashboard ("cruscotto").

3. Doctoral training load – The minimum number of hours of courses that are required for each student must be structured as follows:

- **Technical-specialist courses (Hard Skills):** a minimum of 100 equivalent hours (see notes [1]). These can be earned by attending Level III courses of the PhD Program in Physics at Politecnico di Torino, relevant courses offered by other PhD Programs, first- and second-level degree courses (see notes [2]), and national/international schools (see notes [3]). At least 70 hours of these hard skills must be selected from courses offered by the PhD Program in Physics at Politecnico di Torino. Attendance of the Seminarial course of the PhD in Physics, which contributes 10 equivalent hours to the hard-skill load, is mandatory. Among the remaining courses, at least one must be multidisciplinary or belong to a different macro-area[4] from the student's research field.
- **Transversal courses (Soft Skills):** a minimum of 40 hours.
- **Guest lectures:** courses included in those offered by the Doctoral School of Politecnico di Torino, contribute to the equivalent hours in the same way as national/international schools (see notes [1] and [3]).

A table illustrating the distribution of the minimum hard-skill load is provided below.

For students following international or inter-university Programs the minimum requirements in terms of doctoral training load are assessed on a case-by-case basis.

Minimal requirement for Hard Skills courses:

A minimum of **100 equivalent hours** of Hard Skills courses is required, distributed as follows:	
At least **70 h** must be earned with: courses of level III offered by the PhD Program in Physics of the Politecnico di Torino, including the Seminarial Course (10 hours)	**30 h** must be earned with: courses of level III offered by the PhD Program in Physics of the Politecnico di Torino or by other PhD Program and/or courses of level II and level I (up to a maximum of 25 equivalent hours in total) and/or national and international schools, guest lectures proposed by the Doctoral School of the Politecnico (up to a maximum of 20 equivalent hours in total)

Minimun requirement for Soft Skills courses:

A minimum of **40 hours is required**

4. Training Project

A) Within 3 months from the start of the PhD Program, each PhD student must submit their Training Project.

The Training Project must be submitted as follows:

- The study plan must be uploaded on the student dashboard;
- The research title and a brief description of the research project must be sent via e-mail to: phd.physics@polito.it

B) The Training Project must be evaluated by the Academic Board and, once approved, serves as a reference for the annual verification of the fulfilment of the minimum requirements described in section 3. During the exams at the end of the first and the second year, the Academic Board may request any adjustments it considers appropriate.

C) The approved Training Project must be uploaded by the student to their dashboard in the section dedicated to the PhD student profile page.

D) The Board may, during the PhD Program and in agreement with the student, revise the Training Project if circumstances arise that could affect its feasibility.

5. Admission to the Second and Third Year

For the **admission to the second year**, each student must:

One month before the end of the first year:

- send a report on the activities carried out and on the progress of their work via e-mail to **phd.physics@polito.it** (Annex A);
- Complete at least 40 equivalent hours of hard skills from their doctoral training load.

By the 12th month of the Program:

- present their research progress to a Committee, formed by members of the Academic board of the PhD Program in Physics, appointed by the Coordinator.

For the **admission to the third year**, each student must:

One month before the end of the second year:

- Complete at least 80 equivalent hours of hard skills from training load;
- Send a report on the activities carried out and on the progress of their work via e-mail to **phd.physics@polito.it** (Annex A);
- Send their thesis project via e-mail to **phd.physics@polito.it** (Annex "Thesis Project Template"). The project will be presented during the exam with the Committee appointed for the admission to the third year;
- Have prepared, in the two-year period considered, at least one physics article (see notes 5, 6 ,7) with affiliation to the Department of Applied Science and Technology (DISAT).

By the 24th month of the Program:

- Present the research progress to a Committee formed by members of the Academic board of the PhD Program in Physics, appointed by the Coordinator

For admission to the second and third year, the Committee members will draft an evaluation of the presentation and the activities carried out, according to the criteria listed in the Annex "Yearly Progress Evaluation Form." The Committee will also monitor quantitative parameters (i.e. hard skills hours – soft skills hours – off-site activities) and publications produced by the student. The evaluation performed by the Committee will be shared with the Supervisor, Co-Supervisor, and the student.

In addition to this evaluation, the Supervisor must provide a written assessment of the student's activities to the Academic Board, including an evaluation of the quality, innovativeness and relevance of the results.

The Committees and Supervisor evaluations are discussed by the Academic Board, which then approves or does not approve the student's admission to the next year.

6. Admission to the Final Examination

For the **admission to the final examination**, each student must:

One month before the end of the third year:

- Have spent at least 70 certified days off-site (equivalent to a Re parameter at least equal to 14). Participation in schools, international conferences, or off-site research project activities for a minimum period of 3 consecutive days are also counted. In accordance with the Politecnico regulations, the total period spent off-site for study or research may not exceed 18 months;
- Have completed the minimum training load as described above (see section "doctoral training load");
- Send the final report via e-mail to **phd.physics@polito.it** (Annex B);
- Send a draft of the PhD thesis via e-mail to **phd.physics@polito.it** The thesis, even if not fully finalized, can be evaluated by the Committee for admission to the final exam;

- Be co-author, during the three-year PhD period, of at least 2 articles (see notes 6 and 8) published or accepted in physics journals (see note 7) indexed in WoS and/or Scopus, with the affiliation to the Department of Applied Science and Technology;
- Achieve an R parameter ≥ 50 (for the R parameter computation, the alpha parameter is set to 100).

By the 36th month of the Program:

- Present the thesis to a Committee formed by members of the Academic board of the PhD Program in Physics, appointed by the Coordinator. The Committee drafts an evaluation of the presentation based on the criteria listed in the Annex "Final Exam Admission Form",also verifying the fulfilment of the minimum quantitative requirements for admission to the final exam.

This evaluation is supplemented by a written assessment of the student's activities, which the Supervisor must provide to the Academic Board, including evaluation of the quality, innovativeness, and relevance of the results.

The Academic Board, upon receiving the evaluation of the Committee and the Supervisor's written report, deliberates on admission to the final exam. The subsequent stages after admission, including uploading the final version of the thesis, are regulated directly by the Doctoral School of the Politecnico and managed through the student dashboard.

For matters not explicitly covered in this document, please refer to the Regulations of the Doctoral School of the Politecnico di Torino.

Notes:

[1] The number of equivalent hours is calculated by dividing the actual hours by:

- 1 for Level III courses (except the seminar course, which counts as 10 equivalent hours regardless of actual number of hours);
- 2 for Level II courses;
- 3 for Level I courses;
- 2 for national/international schools without final exams;
- 1 for national/international schools with final exams.

[2] Level I and II courses may cover a maximum of 25 equivalent hours.

[3] Attendance at national/international schools and guest lectures not included in the PhD Physics curriculum may contribute up to a maximum of 20 equivalent hours.

[4] Macro-areas are: "Experimental Physics of Matter"; "Theoretical Physics of Matter"; "Physics of Complex Systems"; "High Energy Physics."

[5] The article may be in the form of a preprint submitted to a journal or to arxiv.org.

[6] A publication may be substituted by a filed patent.

[7] If the chosen journal or archive does not explicitly include "physics" in its topic classification, the Board will evaluate the relevance of the article to physics topics.

[8] A copy of the accepted but not yet published article, together with the acceptance letter, must be sent to the Board.

Summary table of deadlines and requirements

to be admitted to the next year and to the final exam

	DEADLINE	REQUIREMENTS TO BE ACHIEVED	DOCUMENTS TO BE UPLOADED/SENT
Beginning of the PhD Program	Within 3 months from the start of the PhD Program		Send to phd.physics@polito.it: **Training project** Upload the **Declaration Of Intent** on the dashboard
ADMISSION TO THE SECOND YEAR	By the 11th month from the start of the PhD Program	○ At least 40 equivalent hours of hard skills courses	Send to phd.physics@polito.it: **Annex A**
ADMISSION TO THE THIRD YEAR	By the 23rd month from the start of the PhD Program	○ At least 80 equivalent hours of hard skills courses; ○ At least one article [6] on a physics[7] topic with affiliation to the DISAT Department.	Send to phd.physics@polito.it: 1. **Annex A** 2. **Annex** Thesis Project Template
ADMISSION TO THE FINAL EXAM	By the 35th month from the start of the PhD Program	○ At least 100 equivalent hours of hard skills courses and at least 40 h of soft skills courses ○ Re = 14 (at least 70 certified days off-site) ○ R ≥ 50 ○ At least two physics articles (published or accepted for publication)	Send to phd.physics@polito.it: 1. **Annex B** 2. An almost final draft of the thesis

Annex A

RETURN TO phd.physics@polito.it

PHD IN PHYSICS: STUDENTS' ANNUAL ACTIVITY REPORT

- Name
- Cycle year
- Department DISAT
- Coordinator Prof. ssa Stefania Bufalino
- Supervisor
- Macroarea
- Brief description of research activity (maximum 30 lines)
- External Education during the present year

  PhD Schools:

  PhD courses:

- Staying at other research institutions (minimum 1 week):
- Collaborations with companies
- Full list of accepted articles
- Attended conferences, oral presentations, posters

Date:

Annex “Thesis project template”

PHD IN PHYSICS @POLITO: THESIS PROJECT

RETURN TO: phd.physics@polito.it

Student:

PhD Cycle:

Supervisor:

Date:

Tentative Title (up to 100 characters)

Abstract (up to 500 characters)

State of the art (approx. 2000 characters)

Thesis plan (approx. 4000 characters)

References (up to 500 characters)

Annex B

To be returned by e-mail to the address: phd.physics@polito.it, for the evaluation of the PhD student by the Academic board in view of their admission to the final exam.

SCHEDA INFORMATIVA SULLE ATTIVITA' DEL TRIENNIO/FINAL ACTIVITY REPORT

- Surname and Name: _____
- Master degree: _____

  obtained on (date) _____

  from the University of: _____
- PhD Cycle :_____
- Supervisor _____
- Thesis title:

_____

A. Description of the content of the Thesis (max 20 lines)

B. Research activity carried out during the PhD period

B.1 Concise and general description of the research activity

B.2 Specific research topics dealt with

B.3 Most relevant results obtained in the three years

B.4 Research collaborations with other national and international universities, research centers, and industries (specify the framework in which such collaborations took place: research contracts, training periods, etc)

B.5 Further research activities (national and international research projects and contracts)

B.6 Patents resulting from the research

B.7 Other activities worthy of mention

C. Education

C.1 Main courses and seminars attended during the three years (internal to Politecnico or not - specify only the type of courses/seminars and their number)

C.2 Training / schools / courses attended in institutions other than Politecnico (type, place and duration)

D. Teaching activity

Teaching activity, if any (specify the courses in which the teaching activity took place and if the PhD student has attained an official postgraduate teaching qualification)

E. Publications

Indicate the number of articles, specify whether they are published / accepted / submitted / in preparation, and their type: national or international journals, contributions to conference proceedings, book chapters, etc.)

F.OFF-SITE PERIODS (mission days spent outside the region of Piedmont)

As required by the student regulations of the PhD Program in Physics, section "**Off-site activities**", the periods spent off-site should be certified by adequate documentation.

PLACE	FROM	TO	DAYS
TOTAL NUMBER OF DAYS			

.

N.B. There is no minimum requirement for the number of mission days spent off-site for foreign students and/or for students who attained their Master degree abroad.

Turin, (date) _____

(Signature of the PhD student)

_____

Annex "Yearly Progress Evaluation Form."

PhD student evaluation Form (admission to the next year)

The following grid is provided to the Committee to facilitate the drafting of the evaluation report.

Specifically, it lists the criteria on which the student's assessment should be based for admission to the next academic year.

Please indicate an evaluation for each item.

The Committee is also requested to supplement the grid with a brief overall final evaluation, which will be communicated to the PhD student.

PHD STUDENT (name and surname)	
Criteria	**Evaluation (*)**
Clarity of presentation and accessibility	
Personal contribution to the research	
Quality, originality, and relevance of the results	
Ability to answer questions	
Consistency with the PhD Program in physics *(indicate YES or NO)*	
Recommendation for admission to the next year *(indicate YES or NO)*	
Overall final evaluation	

(*) Evaluation

6 = sufficient

7 = adequate

8 = good

9 = very good

10 = excellent

Overall final evaluation:

Annex "Final Exam Admission Form"

PhD student evaluation Form (admission to the final exam)

The following grid is provided to the Committee to facilitate the drafting of the evaluation report.

Specifically, it lists the criteria on which the student's assessment should be based for admission to the next academic year.

Please indicate an evaluation for each item.

The Committee is also requested to supplement the grid with a brief overall final evaluation, which will be communicated to the PhD student.

PHD STUDENT (name and surname)	
Criteria	**Evaluation (*)**
Check on the minimum requirements (hours of hard skills – hours of soft skills – days spent off-site – published articles)	
Supervisor's evaluation	
Clarity of presentation and accessibility	
Personal contribution to the research	
Quality, originality, and relevance of the results	
Ability to answer questions	
Consistency with the PhD Program in physics *(indicate YES or NO)*	
Recommendation for admission to the next year *(indicate YES or NO)*	
Overall final evaluation	

(*) Evaluation

6 = sufficient

7 = adequate

8 = good

9 = very good

10 = excellent

Overall final evaluation: