

Rules for the organization of the Training Plan of the PhD Course in Molecular and Regenerative Medicine

Art.1 - Introduction

In order to regulate the activity of the PhD students, the PhD Course in Molecular and Regenerative Medicine (hereinafter referred to as the MMR) is endowed with Rules of functioning in the field of teaching, to ensure that all the PhD students, without distinction, can follow training courses aimed at achieving adequate scientific maturity and autonomy integrated with a highly qualified research activity both inside and outside the University.

It also appears necessary to set the minimum requirements for the work of the doctoral students in order to guarantee a minimum level, but appropriate for a PhD Program, as regards the scientific quality and fairness of judgment among PhD students.

Art. 2 - Doctoral students' activities - General considerations

The activity of a student of the Research Doctorate Course in MMR is organized in terms of training credits (CFU), intended as a unit of measurement of the student's work.

To obtain the PhD degree, reference is made to a total work of 180 CFU, equally divided over the three years and appropriately divided between the various activities. The activities, and the relative quantification in terms of CFU, may also be modified during the year (in order to take into account any periods of stay abroad). In any case each student must achieve 180 CFU at the end of the entire training course.

Overall, doctoral teaching is not expected to exceed the 15-20% of the total commitment (Teaching + Research Activities).

Art. 3 - Type of activities

The training activity of the PhD course is aimed at providing each student with a specialized preparation, in a view of a multidisciplinary approach deriving from the different areas of competence and research active within the PhD Program.

The activities of the training course provided by the MMR Doctorate consist of:

A (attendance of institutional courses and related study activities; attendance of seminars, doctoral schools and study related activities)

B (participation in workshops, congresses and related activities)

C (research)

D (thesis and final examination)

A Attendance at training activities of basic frontal teaching and Attendance at specialized courses / seminars - didactic typology A - 8 CFU: its purpose is to favor a widening of knowledge and to complete the basic preparation of students in consideration of their previous path training. It also aims to provide thematic knowledge necessary for a deepening of the different disciplinary competences that characterize the PhD program.

Following a specific assessment by the Academic Board, attendance at courses offered by the University and / or provided online (Moc courses - <https://learn.eduopen.org/>) and / or delivered by Doctoral Program MMR and / or related Doctoral Courses.

may be authorized.

B Attendance at Conferences, Workshops, Theoretical-practical Courses, International Schools, internships in industries or external Institutions affiliated with the MMR PhD - didactic typology B - 15 CFU: it aims to provide an opportunity for discussion with researchers working in the same fields of interest at national and international level, and a

moment of verification of the application of scientific knowledge and methodologies useful for the doctoral student's research activity.

C Research activity on the chosen topic for the doctoral thesis (didactic typology C, 150 CFU): this activity is carried out through laboratory activities, individual study, bibliographic research and is aimed at the development of original methods for the solution of problems related to the selected research activity.

D Elaborate drafting and final examination (7 CFU - didactic typology D).

Art. 4 - Verification of attendance at educational activities

At the end of each year of the course, the student will have to present a registry in which he will periodically record the didactic activity carried out in relation to the types A (see table below).

The knowledge resulting from the attendance of the courses that assign credits of type A can be evaluated either **by the course teacher**, or by the student's academic tutor, or by developing a paper on a topic agreed with the student's academic tutor or with the course professor. The exception is the online MOOC courses which must be certified by the relative certificate of attendance.

Participation in type B educational activities must be certified by a certificate of attendance.

PhD in MOLECULAR AND REGENERATIVE MEDICINE -Cycle				
Year/month/day	Activity (A;B)	Title (title of Course, Seminar, Meeting....)	Hours	Signature of the referent activity (A)
Signature of PhD Student				

Signature of Tutor
Signature of PhD Coordinator

Art. 5 - Periodic verification of the student's activities

At the end of each year, the student must also present a summary report of the entire activity carried out, according to the attached facsimile. This report will be submitted for approval by the MMR PhD Program Board.

The verification of the types of activities C and D (the latter obviously limited to the third year) is left to the PhD student's academic tutor, who must countersign the activity register.

PhD in MOLECULAR AND REGENERATIVE MEDICINE -Cycle – Year.....	
Activity	Brief summary of the activity
A	
B	
C	
D	
E	
Signature of PhD Student	

Signature of Tutor	
Signature of PhD Coordinator	

In order to guarantee the maximum efficacy of the training activity foreseen by the PhD Program, the didactic activity and the ongoing checks of the doctoral students' work can be organized as follows:

I year - The first year is mainly dedicated to the expansion of the cultural bases and orientation towards the specific research area that will be the subject of the doctoral thesis. Therefore, upon indication of the Academic Board, each student will attend teaching modules and will also be stimulated the participation in seminars, schools and conferences of interest in the scientific areas that characterize the PhD Course (type of activity A and B) and the activity research will be started (activity type C). As a rule, didactic activity related to types A and B should not be less than 5 CFU and not higher than 18 CFU.

Admission to the second year is subjected to: 1. Presentation of the records of the activities carried out, countersigned by the tutor. 2. Oral presentation to the Academic Board in October of each year of the activity to be highlighted: participation in the planned courses, attendance of the laboratories and departmental structures, the scope and purpose of the activity of research in which the student is involved, activity scheduled for the second year. 3. Achievement of at least 50 CFU typology C and at least 5 CFU typology A-B. In case of failure to achieve the aforementioned credits and the presentation of the activity carried out, the situation of the PhD student will be submitted to the Council of Teachers who will evaluate the recovery of the activities. In cases in which no recovery is possible, the expulsion of the PhD student from the Course and from the use of the Scholarship may be prefigured.

II year - The second year provides for the definition of the specific research topic of each student (if not carried out in the first year) and the achievement of preliminary results of the research started. As a rule, didactic activity related to types A and B should not be less than 7 CFU and higher than 10 CFU.

Admission to the 3rd year - It is subjected to: 1. Presentation of the registers of the activities carried out, countersigned by the tutor. 2. Presentation, in the form of a scientific article, of the activity carried out and the results obtained. 3. Oral presentation to the Academic Board of the following activity: participation in the courses provided, attendance of laboratories and departmental structures, the possibility that the activity may give rise to publications in international journals with auditors, activity planned for 3rd year. 4. Achievement of at least 50 CFU typology C and at least 7 CFU typology A-B. In case of failure to achieve the aforementioned credits and the presentation of the activity carried out, the situation of the PhD student will be submitted to the Council of Teachers who will evaluate the recovery of the activities. In cases in which no recovery is possible, the expulsion of the PhD student from the Course and from the use of the Scholarship may be prefigured.

3rd year - The third year is totally dedicated to the full development of the research topic and to the preparation of the doctoral thesis. As a rule, didactic activity related to types A and B should not exceed 5 CFU.

Admission to the final exam It is subject to: 1. Presentation of the registers of the activities carried out, countersigned by the tutor. 2. Oral presentation to the Academic Board of the contents of the doctoral thesis in October of the third year; 3. Presentation of the activity carried out abroad; research activity that can also be certified by active participation (oral and / or poster contribution presented personally) to at least one international congress. 4. Achievement of at least 50 CFU typology C and at least 7 CFU typology D (CFU final test). 5. Positive evaluation of thesis work by 2 external reviewers.

In case of failure to achieve the aforementioned CFU, the presentation of the activity performed and the positive evaluation of the external reviewers, the situation of the PhD student will be submitted to the Council of Teachers which will evaluate the possibility of postponing the presentation and the final discussion of the thesis on the 2nd exam appeal.

Art. 6 - Integrative teaching activities. The students enrolled on PhD courses, as an integral part of the training project, can carry out supplementary teaching activities (exercises, seminars, tutoring of degree and master's degree students), within the maximum limit defined by the Academic institutions. This activity must be previously disclosed in detail to the PhD Coordinator. The teaching activity must not in any case compromise the research activity and does not involve any increase in the scholarship. After the third year of the doctorate the limit is repealed. This activity, if carried out, will be subject to evaluation in the context of the final judgment of the Academic Board on the activity of the PhD student.

Art. 7 - Compatibility of the student's activity with non-university activities

The student is granted every working activity as long as it is compatible with the activity foreseen by the Teaching Committee (law 398/89 repealed article 79 of Presidential Decree 382/80 which prohibited professional activities and consultancy), unless the requirements of attendance at didactic activities are respected and research activity is carried out as detailed in the art. 4 and 5.