

NOTICE FOR THE FIRST YEAR STUDENTS OF MASTER DEGREES in PHYSICS and ASTRONOMY and ASTROPHYSICS

The educational activity will begin
THURSDAY, SEPTEMBER 22.

According to the directives of Ateneo, teaching will be provided exclusively in the presence. However, it is suggested to keep an eye on the dedicated page of Ateneo:

[https://www.uniroma1.it/it/notizia/](https://www.uniroma1.it/it/notizia/covid-19-fase-3-lezioni-exami-e-lauree-presenza-e-distanza) covid-19-fase-3-lezioni-exami-e-lauree-presenza-e-distanza

The day before the start of the lessons, on Wednesday 21

September at 15:00 a meeting will take place to present the training paths of our two master's degrees.

The meeting will take place in the Amaldi Hall.

The timetable with the assignment of classrooms for lessons is already available in:

[https://www.phys.uniroma1.it/fisica/](https://www.phys.uniroma1.it/fisica/didattica/orario-delle-lezioni) didattica/orario-delle-lezioni

To this end it is necessary to know the code of the building where the classrooms are located. The Amaldi, Conversi, Majorana, Rasetti, Careri classrooms are located in the Marconi building, code CU013.

The classrooms 2.3.4.5.6.7.8 and the Computer Laboratory are located in the Fermi building, code CU033. II Laboratory 2 for the Advanced Computing Laboratory course, LM in Astronomy and Astrophysics, is located in the Department of Mathematics, code CU006.

Below is some preliminary information on the training paths that will be best illustrated during the meeting on the 21st

Students must submit the training path in the period between October

1 and December 9. If the training path is not presented, they will not be able to take the specific exams of the two curricula, but only those common to all curricula. However, they will be able to regularize their situation in the period from 1 February to 20 February. This will allow them to take the two exams starting from the summer session.

Please note that those who have already submitted the training path in the first period will not be able to change it in the second period. In fact, the rule applies that the training path can only be submitted once per academic year.

Those who register in January can use the second time window for the presentation of training paths.

The master's degree in Astronomy and Astrophysics is a single curriculum and for the first semester of the first year it includes four mandatory teachings: Processes and Plasmas Astrophysicists, General Relativity, Astrophysics Laboratory and Higher Physics.

The master's degree in Physics is instead structured in 4 curricula.

The presentations of the curricula made // last July 14 on the occasion of the Open Doors event at theWisdom can be displayed by connecting to:

[https://www.phys.uniroma1.it/fisica/](https://www.phys.uniroma1.it/fisica/percorsi.formativilm1722.23) percorsi.formativilm1722.23

We report below the teachings of the mandatory semester in each curriculum and some general indications for the exams of your choice, for the sole purpose of directing the frequency of the courses from the first lessons.

a) Curriculum Fundamental Interactions: Theory and Experiment.

Compulsory courses: Introduction to Quantum Field Theory, Condensed Matter Physics,

Physics Laboratory I (channel held by Prof. G. Cavoto). Students can then

choose to attend a further course, of a similar-integrative nature. In the semester the only one

The course activated within the curriculum is the Computing Methods for Physics course

(channel held by Prof. F. Panarale Greco), which is strongly recommended.

b) Curriculum Condensed Matter Physics: Theory and Experiment.

Compulsory courses: Introduction to Quantum Field Theory, Condensed Matter Physics, Physics Laboratory I (the channel held by Prof. Mariani), Computing Methods for Physics (you can choose between the course held by Prof. G. Bachelet and that held by Prof. C. De Michele). Students can then choose to attend another course. In the semester are activated within the curriculum: Statistical Mechanics and Critical Phenomena, Soft and Biological Matter, Nonlinear and Quantum Optics, Computational Biophysics.

c) Biosystems Curriculum.

Compulsory courses: Condensed Matter Physics, Soft and Biological Matter and Physics Laboratory I (the channel held by Prof. M. Ortolani), Students can then choose to attend two further courses. During the semester, the following are activated within the curriculum: Biochemistry, Statistical Mechanics and Critical Phenomena, Nonlinear and Quantum Optics, Computational Biophysics, Computing Methods for Physics (the channel held by Prof. C. De Michele).

d) General Theoretical Curriculum.

Compulsory courses: Introduction to Quantum Field Theory, Condensed Matter Physics, Physics Laboratory I (one channel chosen by the student). Students can then choose to attend two further courses. During the semester they are activated as part of the curriculum: Statistical Mechanics and Critical Phenomena, General Relativity, Computing Methods for Physics (a channel of the student's choice), Nonlinear and Quantum Optics.

Funnels: Introduction to Quantum Field Theory and Condensed Matter courses
Physics, common to all addresses, are channeled. Division is done using the initial of the surname (A-J, K-Z).

The following are responsible for approving the training courses:

for the master's degree in Physics (LM17)

-curriculum Fundamental Interactions: Theory and Experiment: prof. R. Paramatti and M.

Nardecchia

- Condensed Matter Physics: Theory and Experiment: prof. P. Postorino

- Theoretical: prof. F. Ricci Tersenghi

- Biosystems: Prof. I. R. Giardina

For the master's degree in Astronomy and Astrophysics: prof. M. De Petris