

PhD Course in Physics, Astrophysics, and Applied Physics - Università degli Studi di Milano
PhD cycle 41 (2025-2026)

All lectures will be given in English.

Course title	Fundamentals of Science Communication
Teacher in charge of the course	Basilico Davide
List of the teachers of the course	Basilico Davide; University of Milano, INFN Milano; davide.basilico@unimi.it
Training objectives	The aim of the course is to provide both practical and theoretical tools to help participants improve their communication skills, with a particular focus on conveying scientific information. The course will introduce the fundamentals of public communication and how to plan it, examining its goals, specific features, challenges, and critical aspects.
Prerequisites	The course has an interdisciplinary nature, and it does not require any specific knowledge on the topics of interest.
Detailed course program	1) Introduction to science communication • Why it is important to know how to communicate science • Identifying and addressing the diverse audiences of scientific and technical communication • Specialist and public-oriented communication • Structuring a scientific discourse • New challenges in public science communication 2) Public Communication Practice • Public speaking: essential tools and techniques • Individual preparation of presentations • Presentation delivery (with optional recording) • Viewing of presentations and group discussion • A second chance: strategies for improving delivery
Examination modalities	The examination consists of an informal discussion about how to include the discussed topics in an exemplary student's presentation about his/her work.
Preliminary schedule	The schedule will be selected according to the availabilities of the interested PhD students. Course enrolment deadline: December 27, 2025.