# SYLLABUS DEL CORSO

# Advanced C++

**2526-113R048**

---

## Title

Advanced C++ programming

## Teacher(s)

Francesco Giacomini (INFN-CNAF)

## Language

English

## Short description

- standard libraries, recent standards, generic programming, polymorphism
- elements of software engineering and supporting tools, error management, defensive programming
- memory use in C++ programming

## CFU / Hours

**Teaching period**

first half of 2026

**Sustainable Development Goals**

QUALITY EDUCATION | GENDER EQUALITY | DECENT WORK AND ECONOMIC GROWTH | INDUSTRY, INNOVATION AND INFRASTRUCTURE