

**Title:** Techniques for 3D printing and measurement

**Teacher:** Roberto Marsili

**Contact:** roberto.marsili@unipg.it

**Indicative period:** March - April 2023

## **ABSTRACT.**

In many scientific and technical fields more and more applications of 3D measurement and printing techniques are nowadays taking place. In this short course the main and most recent measurement principles and printing techniques will be illustrated in order to give to the student tools for possible applications in his research activity.

## **PROGRAM**

- Fundamentals of image formation and digitalization
- Basic of shape measurements by image processing
- Other techniques for 3D shape measurements
- Additive manufacturing technologies
- Application