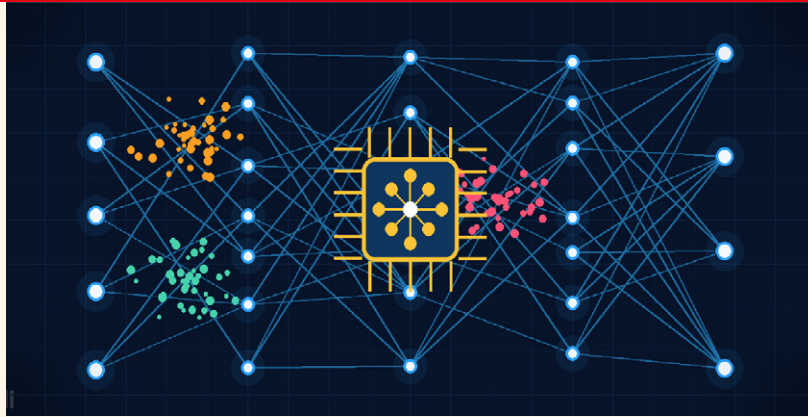




Area Servizi agli Studenti  
**Ufficio Relazioni internazionali**



**Information on the**  
Blended Intensive Program (BIP)  
III edition

# **Machine Learning: Mathematical aspects, techniques and applications**

**University of Camerino February 8-12, 2027**

## **Aimed at**

Graduate and PhD students. Professors and staff are also welcome; however, only students count toward the minimum number of participants. Minimum participation requirement  
The BIP will be implemented only if at least 10 students join the in-person activity with Erasmus+ financial support from their home university.  
Program focus

A comprehensive overview of theoretical foundations and practical applications of Machine Learning, bringing together students from diverse backgrounds. Participants work in groups on a final project and present their results.

## **In-person activity**

- Lectures and project discussions
- Participant presentations on Machine Learning applications in different fields
- Presentations of recent or novel Machine Learning techniques

## **Virtual activity**

- Selected Machine Learning lecture recordings available on Google Classroom for 2-3 weeks before the in-person week
- Additional online lectures; precise dates will be communicated in due course
- Cisco Webex will be used for virtual activities

## **Main topics**

- Learning paradigms
- Exploratory Data Analysis and data visualization
- Unsupervised learning: clustering
- Artificial Neural Networks: perceptron and multi-layer perceptron
- Decision trees

## **Practical information**

UNICAM will arrange accommodation, local transfers between the railway station and the BIP venue, and study activities for students and staff. Travel and individual support are covered through the Erasmus+ mobility grant provided by the participant's home university.  
Apply by December 31, 2026



Scan to open  
the application form

## **Contact**

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