

DIGIPLA

Digital platforms for Cultural Heritage enhancement

SUMMARY

DIGIPLA (*Digital platforms for Cultural Heritage enhancement*) aims to offer an advanced educational experience on the opportunities of applying and improve Digital Skills in the field of 3D architectural models and virtual platforms management, triggering interdisciplinary experiences on the implementation of Digital contents and Virtual products for CH enhancement.

PROGRAMME DESCRIPTION

Lectures and practical activities will focus on the importance of a documentation project for the CH enhancement; analysis of data acquisition and management methods using fast survey technologies; the development of easily manageable 3D printed and virtual models; the placement of the 3D models on information platforms (Web GIS) to make them viewable and usable for heritage enhancement.

The course will consist of an in-presence week (last week of September). Students will work in small heterogeneous groups (constituted by students from different universities, and therefore with different experiences and skills). Each group will work on the topic of developing informative 3D models on Cultural Heritage. Each group will be provided with databases and information on some European contexts. The individual groups of students will analyse and process the data in order to elaborate the 3D models - digital and printed - and the related information (cards) thanks to the constant support of the teaching and technical staff in attendance.

The activities will take place in Pavia, in the classrooms of the Cravino Complex for lectures and workshop activities, and, in the spaces of the DAda-LAB Laboratory, for the 3D printing activities. At the end there will be a roundtable between all group, and lecturers from the universities involved. From the end of the workshop, the students will have two weeks to metabolise the lessons and perfect their products.

In October, the second workshop phase with experimental on-line activities will take place. The students will follow a series of remote lectures to learn how to manage their models remotely via virtual platforms. At the end of this second phase, an online event shared with the universities will be organised, during which the final product will be presented.

WHERE

The BIP will be held in Pavia (Italy), in the classrooms of the Department of Civil Engineering and Architecture of the University of Pavia.

WHEN

In presence working sessions will be held in Pavia from September 25th to 29th, 2023.

The second online meeting will be held in October 2023 (approx. 6 hours, divided into 2 days of 3 hours each) which will summarise the processes undertaken in person manage to manage their models remotely via virtual platforms.

HOW TO APPLY

UniPV Students interested should contact francesca.picchio@unipv.it or dadalab@unipv.it

Students from other universities should ask their own Research Office.

CREDITS

DIGIPLA will deliver 3 credits (ECTS) to recognize participation in the activities. ù

PARTNERS

Gdańsk University of Technology (Poland)

Hochschule Bochum / Bochum University of Applied Science (Germany)

Universitat Politècnica de València (Spain)

