

# Rome on-line International Summer School



**GISBIM**  
INTERNATIONAL  
SUMMER SCHOOL

# GISBIM

for digital integrated design

Faculty of Architecture  
Valle Giulia - Rome

31 august - 11 september 2020



## Training objectives of the Course

The Course provides the ability to operate within an integrated BIM & GIS process, approaching critically to the multi-disciplinary process, with a good capacity to read BIM models and interacting with GIS in the construction environment. It provides the acquisition of modeling skills, as well as principles and application methods of integrated management and project development with an age-friendly, energy-friendly and protection cultural heritage approach.

## Course type

The Summer School aims to create a training course focused on the acquisition of knowledge about the opportunities, principles and advantages related to the management and organization of workflows based on ICT, with specific focus on BIM & GIS integrated methodologies and tools, allowing the process development in digital scenarios. Methodological solutions for energy-friendly, age-friendly and cultural heritage restoration approaches related to the built environment will be explored.

The 40 hours online activities will take place on a dedicated e-learning platform in english  
**MODULES**

- 01 - Integrated management processes** for an innovative sustainable approach to the existing and heritage building stock.
- 02 - Implementation and management of tools and Information Communication Technologies in quality monitoring.**
- 03 - Geographic Information Systems (GIS) and integration methodologies with Building Information Modeling (BIM) tools.**
- 04 - Digital methodologies in the construction process for an efficient and multi-dimensional project and workflow management.**
- 05 - Analysis of integrated models and use-case studies** within a multi-scale approach in planning and design processes.

## In charge departement

The DPDTA Department of Planning, Design, and Technology of SAPIENZA Faculty of Architecture was created by merging three interest areas: design and innovation of processes and products relating to industrial artefacts; research in technological innovation in the construction processes; data associated with studies regarding the transformation of territories typical of mature industrial societies for the environmental balance restoring.

## Admission requirements:

First level degree or equivalent  
Minimum number of participants  
to activate course: 20

Assigned ECTS CFU : 6  
Registration fee 300 € + 16€ taxes



## In cooperation with



## International Partner



College of Architecture &  
Urban Planning (CAUP)  
Shanghai China



Yantai University  
China

## Under the Patronage



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en la Republica Italiana



**SAPIENZA**  
UNIVERSITÀ DI ROMA

Dipartimento di Pianificazione, Design  
Tecnologia dell'Architettura

## Rome on-line International Summer School

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