

DIAGNOSIS Project

2017-1-ES01-KA203-038254

Local multiplier event (e8) Pilot course about “Building Diagnosis Experts”

10 meetings
from 10th September to 15th October 2019
UNIFE-CENTOFORM, Ferrara, Italy

The Pilot course about "Building Diagnosis Experts" is addressed to a group of ITS (*Istruzione Tecnica Superiore*) students, concerning the Curriculum and Methodology development by the Diagnosis Project.

The main contents of the course are:

- 3D of metric and morphological survey: methods and techniques for existing built heritage
- 3D modelling in BIM environment
- Diagnosis methodology
- Building inspection, tools and auxiliary techniques
- Construction history and documentation
- Social and transversal skills for diagnosis
- Practical case study (social housing case study from public owner)
- Developing survey and diagnosis assessment report: methods and tools

UNIFE and CENTOFORM tutors will offer this training, with the collaboration of some experts from the local stakeholders organisations.

Selection and profile of the participants

A group of 20 ITS students will be accepted after presentation of an interest letter for the course and acceptance by the tutors.

Program

12th September 2019

01 New 3D laser scanner technologies and photo-based morphometric survey
(Marco Medici)

16th September 2019

02 Color survey: methods and tools
(Federico Ferrari)

17th September 2019

03 Diagnosis BIM based project: from the state of art to the project phase
(Giulia Galli)

30th September 2019

04 Integrated automatic procedures for comparative reports and analysis on existing buildings
(Giulia Galli)

24th September 2019

05 Building inspection, tools and auxiliary techniques: evaluating state of conservation and maintenance (MODULE A)
(Emanuele Piaia)

06 Building inspection, tools and auxiliary techniques: evaluating state of conservation and maintenance (MODULE B)
(Emanuele Piaia)

25th September 2019

07 SfM modelling techniques and integration of survey models in BIM environment (with practical exercise) (MODULE A)
(Marco Medici)

08 SfM modelling techniques and integration of survey models in BIM environment (with practical exercise) (MODULE B)
(Giulia Galli)

24th October 2019

09 Integrated non-destructive diagnosis techniques
(Marco Medici)

31st October 2019

10 Inspection phase assessment tools and methods
(Marco Medici)