

Organising institution

Università degli Studi di Padova
Dipartimento di Ingegneria industriale - DII
Prof. Paolo Mocellin

Partner Institutions

Polytechnique Montreal – Canada

Course Title and Description

INVeST INclusiVe e-SafeTy

The project INVeST is an initiative that, via three different modules, deeply fits into the existing didactic activity and it raises its quality and internationality. The modules will be held in English and will be based on virtual CBL (Challenge Based Learning) activities. Before the start of the first module there will be a preliminary course to let the participants know each other.

The aim of the project is the learning and the use of cross cutting techniques (HazOp, HazId, What-If) in the field of industrial safety.

The first module (12 hours) is held online and it is based on initial competences needed also to successfully complete the teamwork of the second module. It will be based on flipped classrooms and on student-centred learning

The second module will take the form of a group nano-challenge lasting two weeks. Participants will be divided into mixed virtual groups and will have to face a project challenge based on the techniques and rule learned during the first module.

Each group will organize its activities by the given deadlines and guidelines. A mentor will support the activities and monitor the process. Each group will have to submit and discuss a result in the form of a slideshow and discussion. In so doing the participants will be able to start a guided process of reflection upon the outcomes

The third module is based on dissemination and use of results. A LinkedIn group profile and a webpage will be created by the students to share their experience. At least two audio-video documents in English with Italian and French subtitles will be uploaded.

Period

14/03/2022 – 06/05/2022

ETCS credits

4

Course fee

N/A

Course Level

Master Degree Course in Chemical and process engineering