

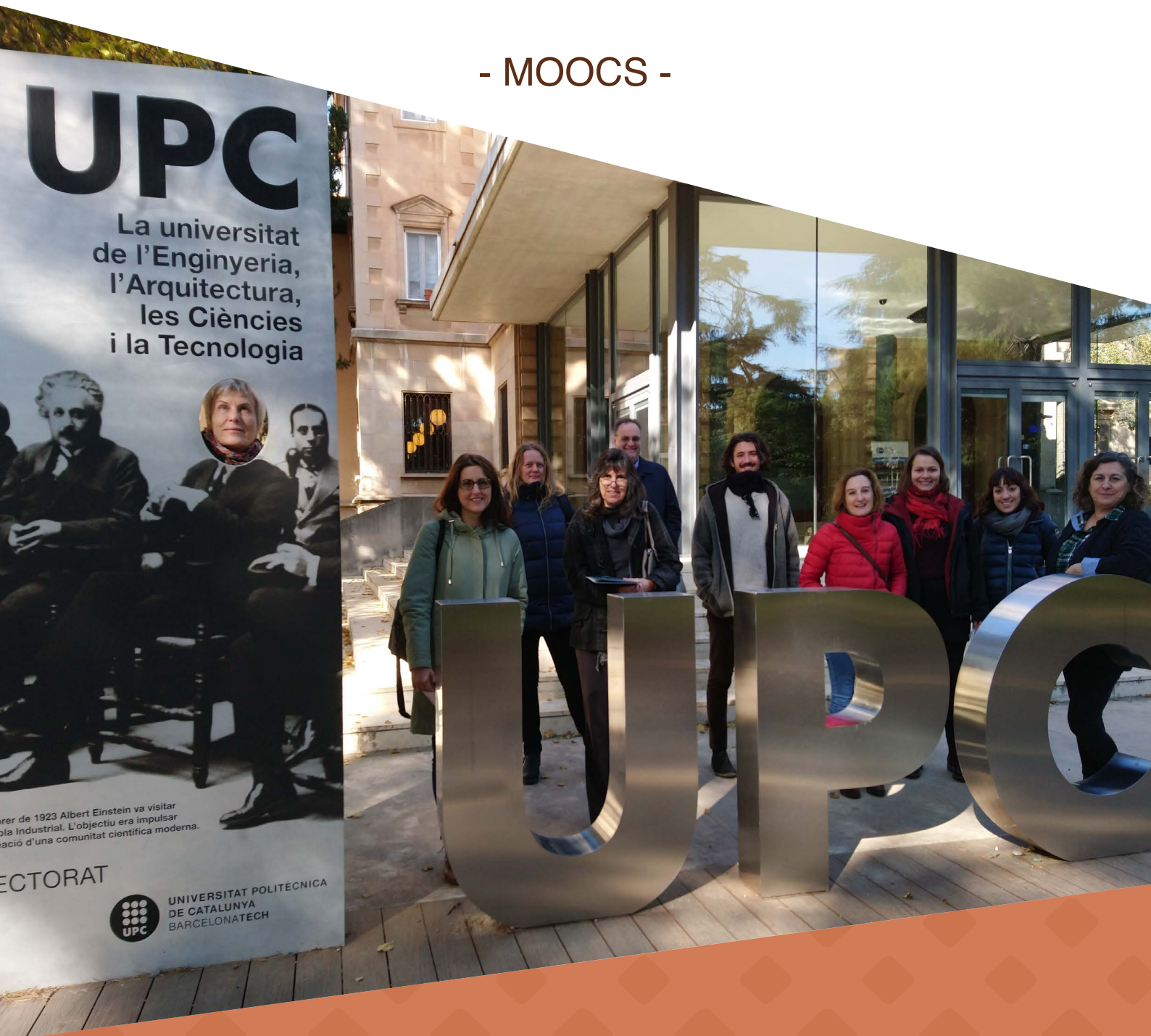


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Erasmus+ Programme
of the European Union

SMART REHABILITATION 3.0

SKILLS IN THE FIELD OF REHABILITATION THROUGH
MASSIVE ONLINE OPEN COURSES

- MOOCS -



smart-rehabilitation.eu

Smart Rehabilitation 3.0

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High-quality educational experiences

Massive Online Open Courses (MOOCs) as part of the [Smart Rehabilitation 3.0, Project](#), co-funded by the Erasmus+ Program, aim to mitigate and cover the gap between educational offer and the social reality, by defining, a new professional profile of “Building Rehabilitation Expert”.

The set of MOOCs SMART Rehabilitation 3.0 is one of the results of the project and is a coordinated experience of different universities and countries, which are the different partners: [Universitat Politècnica de Catalunya. Barcelona Tech](#) and [Asociación RehabiMed](#) (Spain), [Università degli Studi di Palermo](#) (Italy), [University of Cyprus](#) (Cyprus) and [Kauno technologijos universitetas](#) (Lithuania),

Skills in the field of rehabilitation through Massive Online Open Courses (MOOCs)

MOOCs were dominating the eLearning field till the covid-19 lockdown. At present, it exists a great variety of online courses, not just MOOCs, but also webinars, distance learning, SPOC (Small Private Online Courses), SOOC (Small Open Online Courses), etc. However, MOOCs still keep the character of their original definition as a web-based course available for free to any participant from any place in the world. In the same vein, MOOCs are considered to provide free access to high-quality learning materials offered by elite universities.

Traditional education is not enough anymore; skills complementarity is requested. In response, MOOCs are considered under the aim of adapting curriculum contents to the requirements of the XXIst century society, characterized by quick changes, disruptive innovations, audiovisual language and the need of a continuous education. Also, MOOCs promote the lifelong learning as the main dynamics for labor outputs and competitiveness in a job.

The methodology for a coordinated and simultaneous design of the MOOCs between the different universities and countries helps also help to forge cross-national links and academic networks extending beyond the borders.

KTU – Kauno Technologijos Universitetas

Wooden built heritage as a renewable resource for local development



The course provides a comprehensive analysis of the renewal of wooden heritage (both in terms of value and technology), combining heritage protection requirements with modern needs and technical possibilities.

The MOOC is intended for technicians and professionals working with the heritage of wooden buildings, as well as owners or managers. Interdisciplinary cooperation and the search for common solutions by all stakeholders is particularly important in modern heritage protection. We aim to convey an interdisciplinary international practice that allows us to address alternatives for the renewal of wooden architecture by assessing resources, internal and environmental factors, technological suitability and the circumstances of their application.

► [Video](#)



UCY – University of Cyprus

Conservation and environmental sustainability of vernacular architecture



The course is aimed primarily to scholars and professionals, in order to provide an introduction to the environmental features and strategies of vernacular architecture encountered in both urban and building scale.

Particularly, this course highlights vernacular heritage significance, incorporated lessons regarding sustainability, threats related to physical degradation and lack of maintenance, as well as international regulatory framework regarding vernacular dwellings. Also, the MOOC presents the methodology approach and good practices for environmental friendly conservation, enhancing the passive performance of vernacular buildings and the Integration of passive and active systems

► [Video](#)

UNIPA – Università degli Studi di Palermo

Approaches, techniques and interventions for the rehabilitation/restoration of architectural heritage

The course is aimed at providing tools (techniques and interventions) useful to show and explain virtuous examples of the recovery/restoration practice.

This course is based on an academic approach to solve different technical problems that may arise in the rehabilitation/restoration of the traditional architectural heritage, with a particular focus on the Mediterranean area.

The MOOC is intended as an operational tool of comprehension of the most popular and innovative recovery techniques widely used in the recovery of historical and traditional architecture, offering general examples and also cases of originality.

► [Video](#)



UPC – Universitat Politècnica de Catalunya. Barcelona Tech

Accompanied Self-Renovation habitability and safety conditions improvement

The course objective is to provide useful tools (techniques and successful interventions) for an “accompanied self-renovation”.

The MOOC is aimed primarily at technicians and professionals showing ‘bottom-up’ rehabilitations based on the needs and capabilities of the resident population. The contents will include interventions to improve indoor air quality and buildings’ health, safety and risk prevention, flexibility and versatility of spaces, improvements for the adequacy of spaces and accessibility, improvements in hydrothermal comfort, lighting, and use guidelines.

► [Video](#)





RehabiMed



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