

Politehnica University Timisoara
Civil Engineering Faculty

Master degree program: Constructions' Rehabilitation
(teaching in Romanian language)

Duration: 2 years - 4 semesters (3 semesters lectures+1 semester graduation thesis)

The service life of construction has become very important since, for instance, in the EU 50% of the total construction industry resources were used for repair/rehabilitation and maintenance of existing structures and the other 50% were used for new constructions.

Why “Constructions' Rehabilitation”? Because of the social and economic impact of the durability and safety service of constructions. The existing structures should respond to new demands regarding changes of its function, new quality criteria, new design codes and actions, and consequently it should be rehabilitated. These problems are continuously discussed at international conferences.

Studied topics: Special actions, Experimental methods, Durability, Structural assessment of existing structures, Structural rehabilitation of concrete, steel, masonry and timber structures, Research and design activities for graduation thesis.

Future perspectives: The acquired knowledge will qualify the young Master graduates to design and re-design of new and existing structures, to take part, as a specialist, at construction, repair and rehabilitation works. Some of the graduates could continue the research within the Doctoral studies in the field of structural rehabilitation.