



## INDUSTRIAL MASTER THESES

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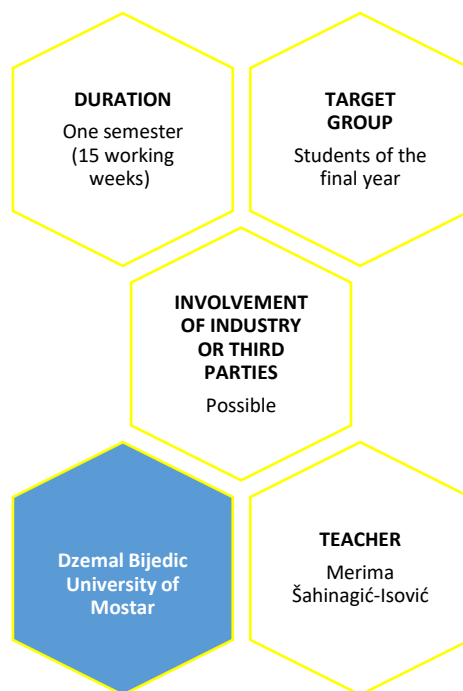
### *Description of the innovative teaching practice*

- Defining real problems from the environment on which students could investigate and do the research
- Problems will be defined in collaboration with industry or community /civil / city organizations (schools, sport associations, etc)
- Common issues when defining problems for research are how to provide more user-friendly, environmentally friendly and mentally stimulating space for final users
- Students will get intro information by final user of the chosen space/building
- Students will be mentored by Teacher from the Faculty, but will have guidelines and consultations by representatives of other professions (mainly architects, urban planners, communal engineers, etc) as well as discussions with final users
- Student will have to solve not just construction or material problem faced in their research, but also to offer possible solution for identified social / environmental problem
- Final presentation will done in front of the final users as well in order to get their feed back
- Students will have possibility for development of the “after” work – to wrap up conclusions of their master theses and write a research project to be applied for financing by relevant institutions, all in order to get involved in the community engagement projects

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### *Skills to be acquired/ improved:*

- **Hard skills – Conceptual/thinking skills:** critical thinking, decision making
- **Soft skills – People related skills:** collaboration/team work and communication
- **Soft skills – Personal skills:** flexibility / adaptability, voluntarism, social responsibility
- **Business skills:** creativity / innovation, dealing with real world problem



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### ***Methods and techniques***

- Format – master theses
- Techniques completed with individual work: discovery, determining social needs, self-learning.
- Techniques completed in teams: problem solving – problem based learning, debate, presentation.
- Available resources via e-learning platform: articles, presentations.

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### ***Methods for assessment and evaluation of the practice***

#### **Methods for assessment:**

- Pre- and post- self-assessment

#### **Methods for evaluation:**

- Evaluation lists and feedback from students
- Testimonials and photos from students during implementation phase