Co-funded by the European Union

The Bridge BIM architecture engineering construction

The Masters' Program Evaluation Form

(The filled form should not exceed 2 pages. Filled form should be downloaded to the folder with Masters' program which is evaluated till October 13, 2024)

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Title of the Masters' program: CONSTRUCTION AND CIVIL ENGINEERING
Name of University where the program was developed: Chernihiv Polytechnic National University

1. Does the program addresses the current state of area of study? (1 is the lowest rate) and provide short description on why you consider that)

5 The program effectively addresses the current state of the field by emphasizing the technical aspects of Building Information Modeling (BIM), integrating progressive technologies in engineering and design. It provides students with a comprehensive understanding of the latest materials and structural innovations, ensuring they are well-versed in essential knowledge areas required for modern construction practices. By combining theoretical foundations with practical applications, the program prepares graduates to meet the evolving demands of the construction and civil engineering industry.

2. Does the program highlights the concept described in the project proposal? (1 is the lowest rate) and provide short description on why you consider that)

5 By focusing the fundamental technical knowledge and competencies required for success in the construction and civil engineering sectors, the curriculum places a heavy emphasis on the ideas presented in the project proposal. In close alignment with the project's goals, it guarantees that students acquire a strong skill set in areas like cutting-edge technical techniques, creative materials, and efficient project management.

3. Are the program's structure, the requirements to meet its objectives and the program-level learning outcomes appropriate? (1 is the lowest rate) and provide short description on why you consider that)

5 The program's structure and requirements are thoughtfully designed to meet its objectives by providing a comprehensive curriculum that emphasizes the development of competencies in Building Information Modeling (BIM). The clearly defined program-level learning outcomes ensure that graduates possess the necessary skills to effectively utilize BIM tools and methodologies in real-world engineering and construction projects.

4. Are the program's structure, requirements and program-level learning outcomes appropriate to meet graduate Master degree level? (1 is the lowest rate) and provide short description on why you consider that)

5 The program's structure, requirements, and learning outcomes are meticulously crafted to align with the academic standards expected at the Master's degree level, ensuring a rigorous and in-depth exploration of advanced topics in construction and civil engineering. This alignment guarantees that graduates are well-prepared for professional challenges and leadership roles within the industry, possessing the expertise and critical thinking skills necessary for success.

5. Are the chosen teaching methods appropriate to facilitate students' successful completion of the program-level learning outcomes? (1 is the lowest rate) and provide short description on why you consider that)

5 The chosen teaching methods are well-suited to facilitate students' successful completion of the program-level learning outcomes. These diverse approaches not only enhance theoretical understanding but also foster practical skills, enabling students to apply their knowledge effectively in real-world scenarios.

6. Other recommendations (please give your recommendations on how the program can be improved)

To enhance the program further, it would be beneficial to incorporate more interactive lectures that actively engage students in discussions and critical thinking. Increasing the number of hands-on workshops would provide practical experience, allowing students to apply theoretical concepts in real-world contexts. Additionally, fostering collaborative project work would promote teamwork and communication skills essential for success in the construction industry. Establishing partnerships with industry professionals would offer students valuable insights and exposure to current practices and challenges. Lastly, including dedicated courses focused on circular economy principles in construction would equip students with the knowledge needed to contribute to sustainable building practices.