MINIISTRY OF EDUCATION AND SCIENCE OF UKRAINE

**O. M. BEKETOV NATIONAL UNIVERSITY**

**of URBAN ECONOMY in KHARKIV**

# METHODOLOGICAL GUIDELINES

**for practical classes and independent work**

**on the subject**

«**Metal structures design (special course)**»

*(for all educational forms Bachelor’s Degree students*

*on specialty 192 – Building Industry and Civil Engineering,*

*of educational program “Civil and Industrial Engineering”)*



**Kharkiv**

**O.M. Beketov NUUE**

**2023**

Methodological Guidelines for Performing Practical Classes and Independent Work on the Subject “Metal Structures Design (Special Course)” (for all educational forms Bachelor’s Degree students on specialty 192 – Building Industry and Civil Engineering, of educational program “Civil and Industrial Engineering”) / O. M. Beketov National University of Urban Economy in Kharkiv; com. : Olena Lugchenko, Pavlo Firsov. – Kharkiv : O. M. Beketov NUUE, 2023. – …… p.

Compliers: О. Lugchenko

P. Firsov

Reviewer: PhD (Engineering), Ass. Professor S. Zolotov

### Recommended by the Building Constructions Department,

record № \_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_2023