##### **MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**

**O. M. BEKETOV NATIONAL UNIVERSITY**

**of URBAN ECONOMY in KHARKIV**

METHODOLOGICAL GUIDELINES

for Performing Calculation and Graphic Work

on the Subject

**«BASICS OF BUILDING STRUCTURES CALCULATION»**

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

*192 – Building Industry and Civil Engineering,*

*educational program “Civil and Industrial Engineering”)*

**Kharkiv**

 **О. М. Bеketov NUUE**

**2024**

 Methodological Guidelines for Performing Calculation and Graphic Work on the Subject “Basics of Building Structures Calculation” (for all educational forms Bachelor’s Degree students on specialty 192 – Building Industry and Civil Engineering, educational program “Civil and Industrial Engineering”) / О. М. Beketov National University of Urban Economy in Kharkiv ; com. : Pavlo Firsov, Olena Lugchenko. – Kharkiv : О. М. Beketov NUUE, 2024. – 30 p.

 Compliers: PhD (Engineering), Ass. Professor P. Firsov,

 PhD (Engineering), Ass. Professor O. Lugchenko

Reviewer

 **О. Kalmykov,** PhD (Engineering), Ass. Professor, Ass. Professor of Building Structures Department of O. M. Beketov National University of Urban Economy in Kharkiv

 *Recommended by the Building Structures Department, record № 15 on 01.05.2024*

Methodological guidelines are intended for students of specialty 192 – Building Industry and Civil Engineering. Requirements for design, means and sequence of task performance, a list of recommended references, examples of work formalization are provided.