



Taras Shevchenko National University of Kyiv

Faculty of Mechanics and Mathematics



CERTIFICATE No. VF-025-2023

This is to certify that

Nataliia SAIENKO

has successfully completed the course “LINEAR ALGEBRA” and received a grade of 78 points.

Lecturer of the course: Vyacheslav Futorny, Member of the Brazilian Academy of Sciences, Professor of the University of Sao Paulo, Brazil.

Topics covered: Complex numbers; Systems of linear equations; Vector spaces; Linear transformations;
Permutations; Determinants; Algebra of matrices.

Total course time: 120 hours (4 ECTS)

Period: 01.09.2023 - 31.12.2023

**Prof. Oksana Bezushchak,
Dean of the Faculty of Mechanics and Mathematics,
Taras Shevchenko National University of Kyiv,**



**Kyiv, Ukraine
December 31, 2023**