



Taras Shevchenko National University of Kyiv

Faculty of Mechanics and Mathematics



CERTIFICATE No. PE-030-2022

This is to certify that

Natalia TYMOCHKO

has successfully completed the course “CALCULUS-I” and received a grade of 77 points.

*Lecturer of the course: **Pavel Etingof**, fellow of the American Academy of Arts and Sciences, Professor of the Massachusetts Institute of Technology (MIT), Cambridge, United States of America, Chief Research Adviser of MIT-PRIMES, co-founded the MIT Program for Research in Mathematics.*

Topics covered: Basics of set theory; Construction of fields of real and complex numbers; Theory of limits of sequences for real numbers and real vectors; Basics of topology for sets of real numbers and real vectors; Theory of numeric series; Construction of basic elementary functions; Theory of limits of real functions; Continuity and uniform continuity of real functions.

Total course time: 240 hours (8 ECTS)

Period: 19.09.2022 - 31.12.2022

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



Kyiv, Ukraine
December 31, 2022