



Apr 15, 2019

Mahmoud Elsherif

has successfully completed

Introduction to Graph Theory

an online non-credit course authorized by University of California San Diego and offered through Coursera

A handwritten signature in black ink, appearing to read "A. Kulikov".

Alexander S. Kulikov
Professor
Department of Mathematics and Computer Science

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/J5PHUM2JE5HF>

Coursera has confirmed the identity of this individual and their participation in the course.