UNIVERSITY OF NEBRASKA AT OMAHA

MATH 2030: Discrete Mathematics

MW 1:00 PM – 2:15 PM | Fall 2022 Dr. Dora Velcsov & Dr. Jim Rogers

What is this about in Spring 2022:

The course is offered as a pilot for a revised content of MATH 2030, Discrete Mathematics.

Description: The goal is to help you acquire basic mathematical concepts that lead to a discrete mathematics track. It is also an introduction to proof writing in mathematics and can be used as a prerequisite in lieu of MATH 2230.

Pre-requisites: MATH 1930, or MATH 1940, or MATH 1950, or permission of instructor.

What you will learn:

- Sets, their properties, and how to operate with them.
- *How to think logically in mathematics (and not only in mathematics).*
- *Functions, their properties, and what you can do with them.*
- How to transfer your logic into meaningful, well written and spoken mathematical arguments (aka proofs).
- The basics of counting / combinatorics (if you think you can count you might be surprised!)
- Probability concepts so you know how to assess likelihood of events and risk. You may want to rethink your visit to Las Vegas.
- Other topics that lead to understanding complex systems and dynamical behavior



For More Information:

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