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The mathematical universe consists of various things: numbers, functions, graphs, lists and so on. A set is a collection of things. For example, the collection of all natural numbers is a set. A function is a correlation of the members of one set with members of another set. These two abstract concepts (sets and functions) form a conceptual framework in which virtually all of mathematics can be built. So an understanding of sets and functions is key to a rigorous approach to most other parts of mathematics. This conceptual framework can itself	

In these lectures, we build up the framework of sets and functions, so that we can use them as the basic

Discrete Mathematics

Lecture Notes

on

Sets and Functions

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building blocks of everything else we do.

be put on a formal, precise footing called the Category of Sets and Functions.

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