Some math courses focus first on **techniques** (solving equations, factoring polynomials, drawing graphs...) and then study applications of those techniques.
Overview of Math 105

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- In Math 105, we will focus on real-life applications where mathematics can help model problems, understand structures, and find solutions.
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Some of the mathematics we’ll encounter may be familiar to you; some of it will probably be new.
Part 1: The Mathematics of Social Choice

Voting and Elections
Part 1: The Mathematics of Social Choice

Measuring Power
Part 1: The Mathematics of Social Choice

Fair-Division Problems
Part 2: The Mathematics of Networks

Finding Paths in Networks

Lawrence, KS to Kansas City, MO

1. Head west on E 7th St toward Massachusetts St
2. Take the 1st right onto Massachusetts St
3. Slight right onto N 2nd St
4. Take the ramp to I-70 E/Kansas Turnpike Toll road
5. Keep right at the fork, follow signs for Interstate 70 E/Kansas City/Kansas Turnpike Toll road
6. Sharp left onto I-70 E/Kansas Turnpike

Continue to follow I-70 E
Building Networks Efficiently
Part 2: The Mathematics of Networks

Scheduling Multiple Tasks
Part 2: The Mathematics of Networks

How to Color a Map
Symmetry and Patterns
Part 3: Other Topics

Chance and Probability