

# CS311H

## Discrete Math for CS: Honors

### Fall 2013

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- I'm looking for a **proof** that your answer is correct

# A proof (sketch)

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$\therefore$  My wife shook 3 hands.

# Theory in Practice

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A use of theory in my research: RoboCup soccer

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  - For students who focus more on applications

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## Goal

- Learn about and appreciate **CS Theory** (discrete math)
  - For students who appreciate mathematical elegance
  - For students who focus more on applications
- Make sure you're comfortable with rigorous proofs

# A Walk through the Syllabus

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Official syllabus is on-line

# Workload Summary

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- Homework Assignments (written) 20%
- 2 Midterms 30%
- Final 30%

# Assignments for Tuesday

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- Read the syllabus

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- Join Piazza

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- Post something on Piazza

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- Post something on Piazza
- First 2 modules with associated readings
- Look at first HW assignment (requires module 3 to complete)