

# Diskmath Week 11

Emil Straschil

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# Hello

I am Emil.

I have a **website**:

[emils.site](https://emils.site) (yes thats the URL)

repo: <https://github.com/emil3tr/emil3tr.github.io>

All materials will be uploaded there.

Any Feedback / Questions /  
Wishes / ... ?

→ [estraschil@student.ethz.ch](mailto:estraschil@student.ethz.ch)

→ “Emil” (floxi4) on dinfk-discord

→ Diskmath-questions: ask here  
so others can benefit (:

# Only 3 Weeks left!

## Basics

Abstraction  
Formulas  
Statements  
Prop. Logic  
Pred. Logic  
Proof Patterns

## Sets and Relations

Sets  
Set Operations  
Relations  
Equivalence  
Partial Order  
Functions  
Countability

## Number Theory

Division  
Primes  
Modular Arith.  
Diffie-Hellman

## Algebra

Monoids  
Groups  
Euler Totient  
RSA  
Rings  
Polynomials  
Finite Fields  
Err. Corr. Codes

## Logic

Proof Systems  
Logic  
Calculi  
Res. Calculus  
Prop. Logic  
Pred. Logic



Questions?

# Plan for Today

1. Short Theory Recap
2. Kahoot
3. Exercises

# Bonus Exam Prep. Session + Mega Kahoot

**Monday Nov. 15th 12:10 - 14:00**

**Room: CAB G61**

(Plz be there at 12:05 so we can start on time.)

**Everyone is invited!** (No matter which exercise class they attend.)

# Bonus Exam Prep. Session + Mega Kahoot

## People:

- Shivi
- Hannah
- Leo 1
- Leo 2
- Me (:

(from discmath.ch)

# Bonus Exam Prep. Session + Mega Kahoot

## Plan:

### First Half:

- Presentations
- Answering your questions

### Second Half (from 13:00):

- Mega Kahoot (possibly prizes?)



# Bonus Exam Prep. Session + Mega Kahoot

## What we will cover:

Study phase, how to structure it,  
tips for studying, ...

How does an exam look like, what  
is expected from you at the exam,  
exam strategy, ...

How to pass discmath

more...

# Bonus Exam Prep. Session + Mega Kahoot

**!!!! Send us questions !!!!**

So we know what to cover. We will pick out some and answer them and give our tips.

Use the opportunity!

Link (also on emails.site):

<https://docs.google.com/forms/d/e/1FAIpQLSfawOxAMRBGDdF9bcnZa9sXD3h7KCWS6yHB1cbdVCfOCAAUoA/viewform?usp=header>

# Bonus Exam Prep. Session + Mega Kahoot

**Our session here will still take place!**

I will try to finish the content in 1h

Then you can ask me anything (or we practice some exercises)

→ open ended

# TA Awards

If you haven't already, please vote!

Your feedback is very valuable for us.

Last Serie

# Theory Recap

# Kahoot

# Exercises