

# CS218

## Discrete Mathematics

## Introduction

- Lecturer: Lo Chi Wing, Peter  
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- Schedule

- ◆ Lecture: 19:00 – 20:30
- ◆ Tutorial: 20:30 – 21:30

## Syllabus

- Logic
- Set Theory
- Relationship
- Functions
- Methods of Proofs
- Combinatorics
- Probability
- Graph Theory

## Assessment

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Mid-term Test:	12%
Final Test:	18%
Examination:	70%

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Total: 100%

- Study Approach

Lecture & Tutorial	22.5 hours
Self study (including exercises)	57.5 hours

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Total: 80 hours

## Course Outline

- One Mid-Term Test and one Final Test
- Topics selected will be based on materials taught in classes and possibly some external research
- You are required to exercise initiative and research to maximize your marks.
- You are encourage to exchange ideas and discussions but **NOT** copying.
- More information will be given at a later date.

## Do and Don't

- **Do not turn on your mobile**, pager or any form of alarm that will distract your fellow classmates.
- **Do not make any unnecessary noise** unless you have just found out you won a 3T!
- **Do turn up on time** to avoid unnecessary distraction.
- Do exchange ideas and discussions on assignments but **NOT copying**. You are here to **LEARN** not copy. You will be severely dealt with if caught cheating under the university disciplinary action.
- **Do enjoy and learn from the course.**

## References

- Richard Johnsonbaugh, "Discrete Mathematics", Fifth Edition, Prentice Hall, 2001
- <http://www.Peter-Lo.com/Teaching/CS218>