



CS204: Discrete Mathematics

Class Time MTWTh 9:00 – 12:00

Location To be announced

Credit 3

Instructor Professor Jinah Park (jinahpark@kaist.ac.kr)
Office : E3-1 #2404 ; Phone: 042-350-3555

Required Materials **Textbook:**
* Main: Discrete Mathematics (7th Edition) by Richard Johnsonbaugh (Pearson International Edition 2009)
* Reference: Discrete Mathematics and its Applications by Kenneth H. Rosen (McGraw-Hill, 2013) Global Edition

Course Summary

This course is to help students become familiar with essential mathematical concepts that are frequently employed in computer science. Topics covered in the course range from basic languages of discrete mathematics, such as proofs and relations, to more advanced topics, such as graph theory and tree structure. Finally, we will briefly touch on automata and language concepts.

★ Lecture Schedule < tentative >

Week	Topic
1	Sets and Logic / Proofs / Functions [Quiz1]
2	Relations / Algorithms / Induction and Recursion [Quiz2]
3	Counting methods / Graph Theory / Trees [Quiz3]
4	Automata / Languages [Final Exam]

<Note> There will be a quiz every Thursday on the topics covered for the week.

Course Evaluation

Class Participation and Attendance 20%
Homework Assignments 20%
Quiz 30%
Final Exam 30%