



# **Discrete Mathematics**

***Course CSE-173: Introduction***

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# *Your Lecturer*

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Teaching Assistant: To Be Announced

## *Contact Hours*

### **Lectures**

Sundays 1120-1250 SPZ 631

Tuesdays 1120-1250 SPZ 631

### **Office Hours**

Mondays 0940-1110 STR 1450

Wednesdays 0940-1110 STR 1450

# *Course Outline*



1. Propositional and First Order Logic
2. Arguments, Inferences and Proofs
3. Sets, Relations and Functions
4. Graphs and Trees
5. Recursion, Induction and Complexity
6. Counting, Binomials and Discrete Probability

Lecture notes available from:

<http://www.geocities.com/syedatnsu/>

A decorative graphic at the top of the slide consists of six circles arranged in two groups of three. The first group on the left has a solid light purple circle, a white circle with a light purple outline, and another solid light purple circle. The second group on the right has a solid light purple circle, a white circle with a light purple outline, and another solid light purple circle.

# *Assessment*

## **Mark Allocation (provisional)**

Final Exam	25%
Mid-term1	20%
Mid-term2	20%
Assignment	15%
Quizzes	15%
Attendance	5%



# *Reading List*

## **Main Textbook**

- K.H.Rosen: *Discrete Mathematics and Its Applications*, 5<sup>th</sup> Edition, Tata McGraw-Hill Edition.

## **Other Useful Text**

- N.Dean: *The essence of Discrete Mathematics*, Prentice Hall, 1997 Edition.