Objectives:
To introduce students to discrete structures and its concepts.

Reading Assignment:
Rosen: Chapter 1.1 – 1.4

Contents:
1. Hand out and discuss syllabus .5 hour
2. Logic 2.5 hours
Hand out and discuss syllabus
- Course expectations
- Grading policy
- Cheating policy
- Quiz and Exam format

Logic
- elements used for constructing complex propositions
  - connectives
  - propositions
  - symbols
- truth table
  - format

Converse and Contrapositive
- converse of proposition
- contrapositive of proposition

If_Then Variations
- different ways of saying if_then: only if, necessary, sufficient

Introduction to Reasoning
- Tautology
- contradiction
- contingency