CISC 1100  Structures of Computer Science

Instructor: Henry Han, Ph.D.
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Office hours: W 9:00-10:00 am, or by appointment.

Course Objectives

• Introduce students essential discrete structures used in computer and information science and build solid background for further computing-related course studies.

• This course mainly focuses on developing student’s problem solving and logical thinking abilities.

Text


Exams*

There is one midterm and one final exam.

• Midterm (TBA)

• Final (TBA)

Grading

The grading will be based on the following weighted 100 points.

Homework: 15 points (15%)
Quizzes: 20 points (20%)
Midterm: 20 points (20%)
Project: 15 points (15%)
Final: 30 points (30%)

A: [90,100], A-: [87, 90), B+: [83, 87), B: [80, 83), B-: [77, 80), C+: [72, 77)
C: [69, 72), C-: [65, 69), D: [60, 65), F: [0, 60)

Topics to be covered

Sets, Sequences, Logic, Relations, Functions, Counting and Probability, Graph theory, Algorithms.
Course Web

The course homepage can be accessed through blackboard in your my.fordham account. All lecture notes, homework, projects, and related materials will be posted there.

Course Policy

• Every student is required to attach each class/lecture meeting and attendance will be taken in each class. If you have to miss a class for some reason, please let your instructor know in advance by email, phone call, or other ways.

• Each student is expected to show up in each exam on time. If he fails to take an exam at scheduled time, he may have a risk to receive zero score for the exam. However, in case of emergency, such as sickness, judicial court appointment, students must present a related written proof from a physician, the court or the related sources to your instructor. Based on this document, the instructor may provide an alternative assessment for the requested student.

• There is no make-up for quizzes. Late homework will not be accepted unless there is an acceptable reason.

• Discussion for assignments is encouraged. However, each student should turn in their own independent work. Copying codes and answers from Internet or other resources in homework and projects will be counted as cheating.

• I will give some extra credit problems in homework, projects, and exams. These problems can be tricky but doable.

Miscellaneous

• Please let your instructor know if you have a disability that requires special arrangements.

  – Under the Americans with Disabilities Act and Section 504 of the Vocational Rehabilitation Act of 1973, all students, with or without disabilities, are entitled to equal access to the programs and activities of Fordham University. If you believe that you have a disability that may interfere with your ability to participate in the activities, coursework, or assessment of the object of this course, you may be entitled to accommodations. Please schedule a meeting to speak with someone at the Office of Disability Services (Rose Hill - O’Hare Hall, Lower Level, x0655 or at Lincoln Center – Room 207, x6282).