CISC1100 Structures of Computer Science, Spring 2013

Lectures:
Tuesdays 6:30-9:15pm, Dealy Hall 205

Instructor: Dr. Xiaolan Zhang
Email: xzhang at fordham.edu
Office: JMH 338
Phone: 718-817-4484
Office hours: 4-5pm Tuesday, 2:15pm-3:15pm Friday, and by appointment

Tutor room: JMH 312, 9am-5pm

Course Description: This is an introductory course to the discrete structures used in computer and information technology. Emphasis will be placed on the ability to solve problems and develop logical thinking. Topics including sequences, logic, set, functions and relations, elementary combinatorics, probability, matrices and graphs will be covered through the use of algorithmic and concrete construction. There is no prerequisite.


Objectives: To develop the skills of solving analytical and algorithmic problems, and to develop abstract reasoning abilities while learning to succeed in a mathematical and computer environment.

Policy/Expectation: Attendance of lectures is mandatory. Please refer to Fordham's policy on class attendance. Students are expected to spend three to five hours (not including the lecture) each week in the assigned reading and homeworks. Students are responsible for turning in assignments on or before the due dates. Submissions turned in late will be penalized, and no submission is accepted one week after its due date. You can write to the instructor to ask for an extension of up to one week for reasons such as illness, heavy workload or other reasons. The maximum number of extensions per person is three.

Grading:
- Homework 20%
- Quizzes 15%
- Participation 5%
- Midterm 20%
- Computer projects 15%
- Final Exam 25%

Computer Projects: There will be two computer projects involving HTML/JavaScript. There projects will be started in class, but most people will not be able to finish the project during class. To complete these projects, you need a computer with Internet access.