

**Syllabus for CISC 1100**  
**Structure of Computer Science**  
**Fall 2009**

**Lecture:** TF 11:30-12:45pm, JMH 138

**Lecturer:** Dr. Xiaolan (Ellen) Zhang

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Office Hours: Tuesday, Thursday, Friday 1:30-2:30 pm, and by appointment

**Course Description:** This is an introductory course to the discrete structures used in computer and information technology. There is no prerequisite. 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 and graphs will be covered through the use of algorithmic and concrete construction.

**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.

**Grading:**

Written assignments	6-8	25%
Computer projects	2	10%
Midterm Exam 1	1/3 of semester	20%
Midterm Exam 2	2/3 of semester	20%
Final Exam	after last class	20%
Quiz & Attendance	in class	5%

**Computer Projects:** There will be two computer projects involving HTML and 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. The instruction for the projects is available online from:  
<http://storm.cis.fordham.edu/~zhang/CISC1100/projects.html>

**Exams:** There will be 2 one-hour written examinations and a final cumulative examination. These exams will focus solely on the mathematics portions of the course. Tentative dates for these exams can be found in the class schedule.

**Quizzes:** When it is unclear to the instructor how well the class has mastered a topic, short quizzes will be given. The quizzes function as diagnostic tools and should be completed to the best of one's abilities. However, the absolute grade one receives on the quiz will not directly affect the person's grade. An exception to this rule occurs if the student receives a 0 due to an unexcused absence (see section on absences above).

**Resources:**

- Website: all course materials and handouts will be made available at the course website: <http://storm.cis.fordham.edu/~zhang/CISC1100/index.html>
- CIS Dept. Tutorial Room: JMH 312, open 9:00 am-5:pm Monday-Friday. It's free !
- CIS Dept. Computer Labs JMH 330 & JMH 331

**Policies:**

- Class attendance is necessary. Attendance will be taken and unexcused absences will affect your grade.
- All assignments, quizzes and exams must be completed on time. Late class work will be accepted, but the grades will be reduced by  $n \cdot 10\%$  if turned in  $n$  days late. The only exception is when a note of doctor is presented.
- All the work you submit should be your own work. Copying of homework, or exams or "teamwork" on an assignment is not permitted. You can discuss with other students about the assignments, but the work must be your own. This means that you should write and test your own program. If you're having trouble with an assignment or if you're having trouble meeting a deadline, talk to the instructor.
- No incomplete is given for this course.