CSC 323/700

Design and Analysis of Algorithms

Syllabus
• **Instructor:** Dr. Changhe Yuan
• **Office Hours:** M,W 10:40am-11:40am, and by appointment
• **Office:** SB A342
• **Email:** changhe.yuan@qc.cuny.edu
• **Course web page:**
  http://url.cs.qc.cuny.edu/teaching/CSCI323Spring2018Afternoon/syllabus.html
Catalog Description:
Study of complexity of algorithms and algorithm design. Tools for analyzing efficiency; design of algorithms, including recurrence, divide-and-conquer, dynamic programming, and greedy algorithms.
• **Course Prerequisites:**

In order to take this course, a student must have completed Data Structures and Discrete Structures with a grade of C or better.
• **Required Textbook:**

• **Grading:**

Grades will be determined based on the standard 100-point scale. Details of the various graded activities follow:

– Participation 10%
  • Including ungraded quizzes

– 3 exams 70%
  • Including 2 mid-exams and one final

– Assignments 20%
• *Exams*

There will be 2 mid-term examinations and 1 final examination during the semester. Each exam will be worth 100 points.
• **Quizzes**

There will be quizzes during the semester. The quizzes are **not** graded; key is posted afterwards. However, the completeness of the quizzes will be recorded and count partially towards the participation grade.
• **Programming Assignments**

• There will be 2 programming assignments/experiments during the semester, each worth 100 points.

• These assignments are to be individual efforts.

• The programs must be written in C++/Java.

• A short report describing the implementation should accompany each assignment.
• **Final Exam**
  
  • There will be a final exam in the end of the semester that covers the whole course. The exam will be worth 100 points.
- **Missed exams**
  - The instructor won’t allow any makeup exams.
  - However, students who miss an exam can provide documentation to support their claim that the absence should be considered excused. If the instructor judges the absence to be excused, then the average number of points of the student’s other exams will be substituted for the missed exam.
  - For unexcused absences from examinations the student will be assigned a score of zero points.
• *Late assignments*

• Reports and programming assignments are to be turned in at the beginning of the class period on the due date. Assignments not submitted at this time are considered late; late assignments incur a 20% grade penalty for each day during the first 72-hour period, and are worth zero credit after that.
• **General Policy**

• In all programming assignments you are to use appropriate data structures and clear and efficient algorithms. In all papers you are to use correct spelling and syntax and to express your ideas clearly and understandably.
• **Attendance Policy:**
  
  • Although no official roll is being called, your participation in the lectures count towards part of the grade.
  
  • Students who miss class (or who are late to class) are still responsible for any material covered, any announcements made, and any assignments distributed. “I didn’t realize a test had been announced” is not an acceptable excuse for missing a test!
• **Class Announcements:**
• Students are responsible for either using their student e-mail address or setting it up so that e-mail sent to this address is forwarded to another address that they prefer. The campus e-mail addresses will be used for broadcasting class announcements. Students are responsible for being aware of any such class announcements, so they should check their e-mail at least once each day.
• **Academic Honesty:**

• Students are expected to do their own work on tests, papers, and homework and programming assignments. If you turn in someone else's work as if it were your own, you will receive an F in the course and you will be reported to the Office of Academic Integrity.

• For more information, read http://www.qc.cuny.edu/about/administration/Provost/Policies/Documents/Academic%20Integrity%20Memo%20Fall%202014.pdf
• Add-drop policy:
• http://advising.qc.cuny.edu/generalinfo/acadpol/DisAttenCourse.php