

# CS203-D124 - Algorithmic Problem Solving II -Spring 2016

**Instructor: KWANG HYUN KIM**

Contact info:kkim@qcc.cuny.edu Please, use your **tigermail**.

## Class meets

- Mon 10:10AM-11:00AM at S-322
- Tue 10:10AM-12:00PM at S-322
- Thr 10:10AM-12:00PM at S-322

## Office hour at S-320A

- Mon 09:05AM-10:05AM
- Mon 11:05AM-12:05PM
- Tue 12:05AM-01:05PM

**TEXT:** Programming Principles and Practice Using C++ (2nd edition) by Bjarne Stroustrup.

## References

- C++ Primer (5th Edition) by Stanley B. Lippman.
- Effective Modern C++: 42 Specific Ways to Improve Your Use of C++11 and C++14 (1st Edition) by Scott Meyers.

## Grading

- Class exam(30%): TEST 1, TEST2
  - LAB(45%)
- LAB CODING QUIZ(5%): 2 quizzes + 1 extra credit
- Project(25%): 3 Personal Project(15%) + 1 Team Project (10%)
- Online HW(15%)
- Final(25%)- **I will replace one of lowest scores of TEST1, 2, 3 if final score is higher.**

**No MAKE UP QUIZ / TEST.**

**No late submission for HW and Project.**

Please, contact me before QUIZ or TEST if you have any problem.

**April 11, 2016 is the last day to withdraw.**

## Communication

We will use 4 separate websites for this course. You need to sign-up using your **tigermail**. Your id should tigermail id. For example, if your email is `hello12@tigermail.qcc.cuny.edu`, then **your id** should be `hello12`.

- **Piazza.com** - Q&A discussion board with course materials including project,quiz and test. Download the app from app store or playstore. Link: <https://piazza.com/piazza.sandbox/spring2016/cs203d124>
- **c9.io** Collaborative Online compiler.
- **github.io** Project submission

**www.tcgo1.com** : Online Homework.

REGISTRATION (FOR STUDENTS):

- 1) Go to [www.tcgo1.com](http://www.tcgo1.com) OR [www.tcgo2.com](http://www.tcgo2.com)
- 2) Click “Register for CodeLab”
- 3) choose “I am a student in a course . . .” and click CONTINUE
- 4) enter the Section Access Code: TCAB-23236-JEGV-27
- 5) continue filling out the forms being careful to enter a **tigeremail address** and first and last names (these will appear in the professor’s roster)

### **Undergraduate Research**

This is a research intensive course and students will do their research in small teams. The topic for the research project will be “**Solving the numerical problems in science with programming**”. Each group will find numerical problems in their science courses including mathematics and develop the C++ software to solve their problems. Each research group will submit the 4-6page design report and the code. They will also deliver 10-15 min presentation in the class room.

Therefore **CUNY RCR training is necessary for all students**. I will post a detail schedule at piazza.com later.

### **Project Policy**

**There is no late projects will be accepted.** I strongly suggested you submit at least one day earlier than their due dates. Academic Integrity is very important. **All projects must be the original work of the student (and group if applicable) to get a proper grade for projects.** - For regular projects, students will submit their **project code and design report** to sagemathcloud.com. - For the final team project, students will submit their **project code, design report and presentation** to bitbucket.org

### **No SNS and phone policy**

Please, silence your cellphone and other electronic devices. Except early notice, do not use SNS or phone. **For the quiz and test, students should turn off their electronic devices and put them in their bag to avoid a failing grade for the quiz, or test.**

### **Attendance Policy**

**Unexcused absences beyond 15% of course hours(2 weeks) result in a failing grade for the course.** To excuse your absences, a **proper document with early notice** is necessary. Two late marks count as one absence. If students leave early with early notice, I will consider as one late mark.