CS241 Principles and Practice of Problem Solving

Lecture 0: Introduction

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Short biography

Education

- BE, Information Engineering, SJTU 2011
- MS, Electrical Engineering, UCLA 2013
- PhD, Electrical Engineering, Columbia 2017

Research interest

Biophotonics and medical image processing

Purpose of this course (Programming part)

- This is a transition course
- Gain a general understanding of how to develop a larger project
- Learn some niche skills including debugging, GUI and C++11
- Apply those skills to solve real-world problems

Course information

Lectures

- Time: Mon 3-4, Thur 7-8 (Week 1$\sim$ 12)
- Location: Upper Hall 213

Office hours

Mon 1PM-2PM or by arrangement, Software 1-1062

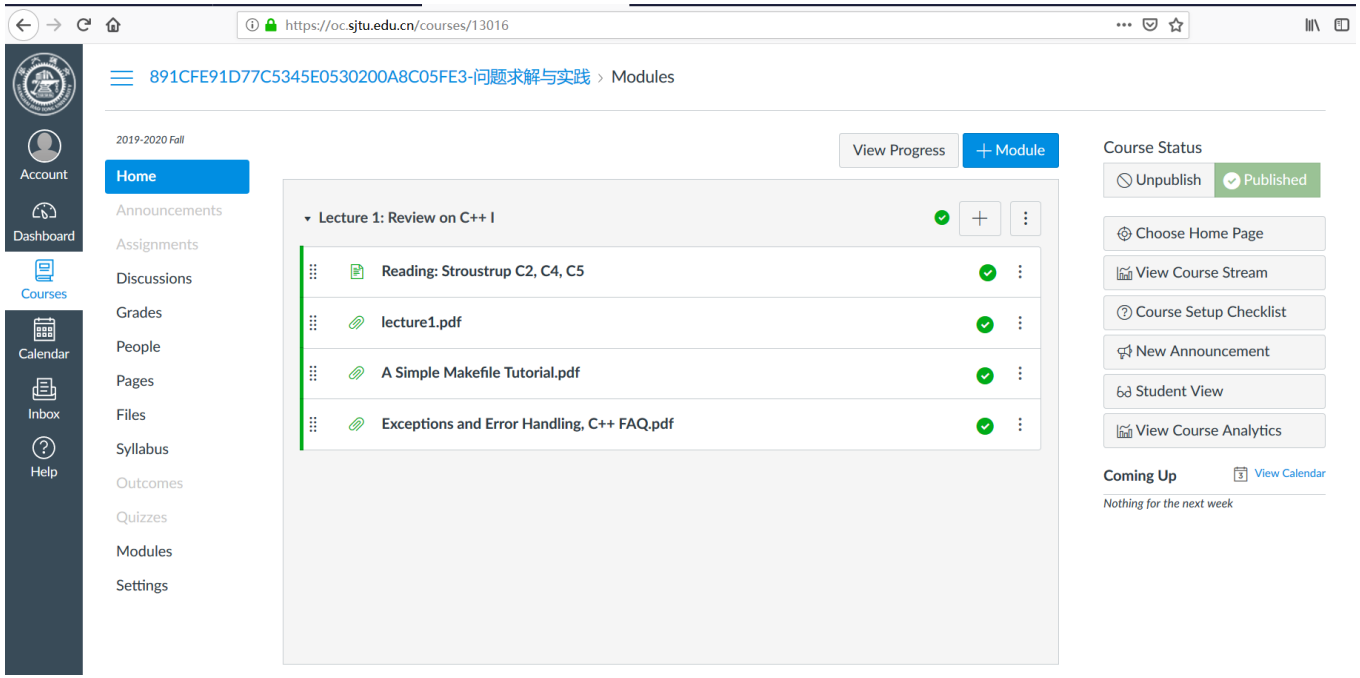
Textbooks

1. Bjarne Stroustrup, "Programming: principles and practice using C++", 2nd Edition, Addison Wesley.
2. Richard. L. Burden, J. Douglas Faires, "Numerical Analysis", 9th Edition, Brooks/Cole.
3. Clifford A. Shaffer, "Data Structures and Algorithm Analysis", Edition 3.2 (C++ Version).
4. Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein, "Introduction to Algorithms", 3rd Edition, The MIT Press.

Course website

Everything will be posted on oc.sjtu.edu.cn, including

- Lecture notes
- Reading assignments
- Homework, and its submission



Please let me know if you do not have access to the course

Grading (tentative)

No exam

1. 10$\sim$12 homework assignments
2. 0$\sim$2 classroom quizzes
3. 1 course project

Grading policy will be aligned with that of the other class

Academic integrity

Bottom line

- No plagiarism
- No cheating
- No fabricating
- Once discovered, ZERO credits for the assignment
- Second offense, ZERO for the entire course (See Student Manual Chapter 4 Article 14)

Question?