Instructor: Alexey Miroshnikov
Office: MS 6322
Office Hours: Wednesday 11:00-12:30
E-mail: amiroshn@math.ucla.edu

Instructor's website: http://www.math.ucla.edu/~amiroshn/pic10B.html

Schedule

Lecture (Alexey Miroshnikov)	MWF, 10:00–10:50, MS 5200
Discussion 1A (Lin, Alex - atlin@math.ucla.edu)	Tue, Th 9:00–9:50, MS 5118
Discussion 2B (Cheng, Peter - pcheng17@math.ucla.edu)	Tue, Th 10:00–10:50, MS 5148

Course Description: Lecture, three hours; discussion, two hours; laboratory, eight hours. Enforced requisite: course 10A. Abstract data types and their implementation using C++ class mechanism; dynamic data structures, including linked lists, stacks, queues, trees, and hash tables; applications; object-oriented programming and software reuse; recursion; algorithms for sorting and searching. P/NP or letter grading

Required textbook: C. Horstman and T. Budd, "Big C++", (2nd Edition) John Wiley & Sons Inc.

Integrated Development Environment: Microsoft Visual Studio 2017 is available for download here:

https://www.visualstudio.com/thank-you-downloading-visual-studio/?sku=Community&rel=15

as Visual Studio 2017 Community and provided in the PIC Lab.

PIC Lab : MS 2000, https://www.pic.ucla.edu/

Grading Schemes

- Homework: **15%**

- Midterm exam: **35%**

- Final exam: **50%**

OR

- Homework: **25%**

- Midterm : **15%**

- Final exam: **60%**

Exams

- Midterm exam will be held in class on Friday, February 23. There is no make-up midterm. If you miss the midterm or you simply did not do well, then the second grading scheme will be of use. Note, the total score is computed as the best out of two grading schemes.

- Final exam covering all the material from the course will be held on March 23, 11:30–2:30.

- Date of the final exam cannot be changed. You must attend the final exam in order to pass the class.

Homework

- There will be about 8 homework assignments to submit on CCLE. You should only submit the raw .cpp or .h files, and they must be named appropriately. The assignments will be posted on the CCLE. Most of your learning will take place in doing the assignments.

- Two lowest homework grades will be dropped. This is to allow for *all* reasons that homework is not completed on time, including illness, emergencies, officially excused absence from campus, and absence for religious observance.

- You are highly encouraged to form study groups, share notes, collaborate, etc. But you must do your own work and typing. Code plagiarism will be taken very seriously. The purpose of office hours is primarily to discuss/clarify course concepts and for homework-related hints on how to approach a problem. Office hours are not designed as a time for the homework to be done for you.

Computer resources

Students with disabilities

If you wish to request an accomodation due to a disability, please contact the Office of Student Disabilities at A255 Murhy Hall, (310) 825-1501, (310) 206-6083 (telephone device for the deaf) and have them consult with your instructor to ensure you are accommodated. It is your responsibility to do this in a timely manner. Special exam accommodations will not be provided by the instructor or TA.

Class etiquette

- Turn off your cell phone or other noisy devices before class starts.

- If you arrive late to class, sit in the first seat you can find so as not to disturb others, and do *not* come up to the front of the room to pick up or hand in papers.

Instructor Discretion

This syllabus is subject to change.