

Instructor

Dr. Kenneth W. Regan, 218 Bell Hall, 645-4738, regan@buffalo.edu Tue. 10–12pm
Tue & Thu. 1-2pm.

TAs:

Andrew Hughes	Bell 232	no phone, ahughes6@buffalo.edu	Mon. 9–11am
Ding Hu	Bell 232	no phone, huding@buffalo.edu	Wed. 3–5pm

Ding Hu is shared with CSE191, and will only do hardcopy problem-set grading.

Prelim I and Approximate Schedule

Prelim I will be **Friday, Oct. 16**, *in class period*. The exam will use the “**One Sheet Rule**”: it is closed-book, closed-notes except that you may have 1 sheet of notes front-and-back. You may also bring a calculator, though any problem that might use one will be designed to be doable by pen only.

The exam covers these parts of the text: the C++ Primer, Chapters 1–3, Chapter 7 sections 7.1–7.2, and Chapter 4 sections 4.1–4.4 (transferring most of what the text says about its `KW::vector` to mean features of the standard `vector` which you’ve already been using). (The parts of those sections on the destructor, copy constructor, and `operator=` in general “morally” belong to Chapter 3 anyway, IMHO.) The STL interface as a whole and the topic of “iterators” are specifically excluded. Most to the point, coverage is based on Assignments 1–3, the non-graded self-study on compile errors in the early example files, and lecture + recitation slides. The lecture slides will have a break marking the coverage, most likely the already-present slide titled “When are the Big Three needed?”

Next week we will assign “Project 1” which will reference the text’s STL-based interface in Chapter 4, but adding some methods and with a new client. You will implement a data structure that combines a vector and a sorted linked list, hoping to overcome the disadvantages that Chapter 4 shows each has separately for certain operations. This will be due **Fri. Oct. 30, 11:59pm** by online-submission. There will also be a hardcopy-only problem set most likely due Oct. 23. The main course project will be assigned in November, perhaps due Fri. Dec. 4. Two other hardcopy problem sets will complete the intended coursework. There may be some variation, e.g. spending class time on the main project may lead me to break one of the latter two intended problem sets into two pieces. The **Final Exam** has been scheduled for **Monday, Dec. 14**, the earliest possible day, which adds to the intent I’ve expressed to try to have most work in this course done-or-doable before Thanksgiving. (The main concrete fact here is that this course has often been taught with three “Projects,” the middle one comparing the timing of sorting algorithms, which would go with Chapter 10 of our text. That is not intended this year, though some timing may go into the November project.)

The course-points weighting policy remains 50% exams, 50% homework, as stated in Week 1. However, we reserve the right to declare 1/10 of the homework points, i.e. 5% overall, to be based on attendance, converting to taking attendance in lectures as well as recitations, and based on any assignments otherwise marked “not graded.”