CS 13011 Computer Science IA: Procedural Programming
CS 13012 Computer Science IB: Object-Oriented Programming
Spring 2021
Gold Sections

Instructor  
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office hours are to be held on blackboard for the
remote teaching class and physically if face-to-face

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There are no course prerequisites.

Course Overview

The goal of the course is to familiarize the students with programming in a high-level object-oriented language while studying the main constructs of C++. The students will learn to translate algorithms into correct programs as well as to debug, document and maintain the code.

The C++ constructs covered include: conditional and loop statements, functions, arrays, pointers, object classes, dynamic memory allocation, vectors.

Course Organization

The course contains two parts: A and B. To be allowed to enroll in part B, students need to complete part A with the grade of C or above. Presently, Part A is to be taught remotely. Part B is to be taught face-to-face. If required, part B might be switched to remote teaching with the same setup as Part A.

Textbook


Class Web Page, Mailing List, Contacting the Instructor

The web page for the class is http://www.cs.kent.edu/~mikhail/classes/csi/ I have a link to this page from my homepage. The web page contains links to the following course materials:

- course syllabus;
- lecture and lab schedule, lab instructors and their lab assignments;
- class schedule;
- lecture notes and programming examples used in class;
- mailing list info and archives
- link to the lab website;
- links to blackboard collaborate used in remote teaching

There is a mailing list set up for the students taking this course. I am going to send announcements and other class related information to this list. It is very important to be on this list to get the latest news and updates about the class. You will sign up to the mailing list as a part of your first lab. The subscription instructions are on the course’s webpage. The webpage also contains the mailing list archive, so if you miss a message you can always look it up. You have to check your mail at least
once a day while the school is in session. The simplest way to contact me is via e-mail. I prefer to use the department email address (shown above). If you need to talk to me in person – see me during my office hours or make an appointment via e-mail. When initiating contact by email, make sure the email contains salutation, closing, your name and the course name you are enrolled in.

Lectures
Students are expected to attend each lecture. I do not take attendance, yet attendance and active participation during a lecture is instrumental for course success.

Quizzes
There will be approximately 4 quizzes held during the class: two during part A, and two during part B. Each quiz is on the material of the previous lectures. Each question is worth 1 point. A quiz is held during the first 10 minutes of the class. Late students will not be given extra time to complete the quiz.

Exams
There are two exams. First held in the final week of CSIA. The second is held during the semester’s finals. All exams are closed book, closed notes, and must be individual work. It is expected that you take each exam at the scheduled time, unless you make prior arrangements with me, or have a documented illness, in which case I expect you to contact me as soon as possible. You will be tested on the material we covered in class. The textbook or the slides alone may not be sufficient for adequate preparation for the exams.

Labs
The lectures are complemented by lab sessions. The sections of this course differ in the time of their lab sessions. The lab session is conducted by a lab instructor. Lab attendance and participation is required. Lab sessions are an integral part of the course and lab assignments constitute a significant part of the course grade. The lab policies are stated on the lab website and are to be followed for the success in the lab.

Academic Integrity
Academic dishonesty in any form will be reported to the Office of Student Conduct and penalized up to assigning grade F for the course.

Cooperation on Programming Projects (Labs). You are allowed to discuss projects and solutions with your peers outside the lab. However, you should code the projects individually. This means that you should not look at other students’ programs either on the screen or in printouts. You should not copy other students’ solutions. Joint programming, even in pseudo-code, is not allowed. Cooperation during labs is not allowed. If you have a question during a lab, ask your lab instructor. Do not ask your classmate: you are distracting him/her, you may be getting an incorrect answer and you may be inadvertently involving him/her in joint work.

Do not download code from the Internet. Do not give access to your code to others.

Grades
Course parts A and B are graded separately. You need to get at least C grade in part A to be allowed to enroll in part B. The grades are calculated as follows.

- quizzes (approx. 2 in each part) 10 points each
- exam (1 in each part) 100 points
lab assignments (approx. 6 in each part) 10 points each

There are no extra credit assignments. The sum of the possible scores on all assignments is considered 100% and your final course grade will be determined as follows – 100-93% A, 92-90 A−, 89-87 B+, 86-83 B, 82-80 B−, 79-77 C+, 70-76 C (note that there is no C− grade), 69-67 D+, 66-60 D, 59-0 F. There will be no curve at the end of the course. Your score will not be rounded up: if you get 66.99% you will get a D not a D+. Thus, you should always be able to determine how well you are doing in the course.

Students with Disabilities

University Policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact me at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

Miscellaneous

There is a possibility of testing out of this course. If you are proficient in C++ or related language, notify me within the first week. I will interview you. If you demonstrate sufficient knowledge, you will be allowed to skip this and enroll in a more advanced course.