

**CMPSC 111**  
**Introduction to Computer Science I**  
**Spring 2018**  
**Janyl Jumadinova**

**Information about the Midterm Exam**  
**Exam Date:**

**Section 1 - Thur. March 15 at 2:30pm; Section 2 - Wed. March 14 at 2:30pm**

## Overview

Since the exam will be during the laboratory session, we will not have a lab next week. We will still have a practical session on March 16.

The exam is open notes, open book, but closed to Web searching. The exam will be available on Sakai and has to be taken on one of the Alden Hall computers. The exam will cover the following material:

- Chapter 1 in Lewis & Loftus, sections 1.1–1.6.
- Chapter 2 in Lewis & Loftus, sections 2.1–2.7.
- Chapter 3 in Lewis & Loftus, sections 3.1–3.5, 3.8. Know the terms in these sections. Be particularly familiar with the methods of the `String` class, particularly `length`, `substring` (both forms), `charAt`, `equals`, `toUpperCase`, `toLowerCase`, and `replace` (see lab 5—the “DNA” lab). Know the methods of the `Random` class: `nextInt`, `nextFloat` and `nextDouble` and the basic methods we have used in class of the `Math` class.
- Chapter 5 in Lewis & Loftus, sections 5.1–5.3. Know how to write `if` and `if/else` statements, including compound and nested statements. Be able to give examples.
- Chapter 4 in Lewis & Loftus, sections 4.1–4.5. Know how to create a class and a method. Understand constructors.
- Definition, basic commands in the Linux operating system; compiling and executing programs in Linux and using gradle; basic commands using GitHub.
- Your class notes and lecture slides, labs 1–6, practicals 1–7, and handouts from class.

The exam will be a mix of several kinds of questions: fill in the blank, short answer, multiple choice, true/false, completion, etc.

The emphasis will be on:

- Fundamental concepts (definitions, background, etc.)
- Basic techniques (editing, compiling, running programs; using files and directories; using GitHub, etc.)

- Understanding Java programs (given something written in Java, understand what it does and be able to precisely describe its output).
- Composing Java statements and programs, given a description of what should be done.

### **The Honor Code as Applied to Examinations**

(See <http://sites.allegheeny.edu/deanofstudents/student-conduct-system> for more information)

## **Article III**

### **Section 1**

If one student observes another committing what appears to be an act of dishonesty in academic work it is the observer's responsibility to take the appropriate action. Students are encouraged to inform either the instructor or a member of the Honor Committee. However, whatever action the observer takes must fulfill the obligation to uphold the integrity of the College community. Failure to do so is as injurious to the honor of the College community as is the observed act of dishonesty and constitutes an infraction of the Honor Code.

### **Section 2**

The following practices are considered to be violations of the Honor Code in examinations, tests, quizzes, and in laboratory and computing exercises: any attempt to receive or give unauthorized assistance from written, printed, or recorded aids, from any person, or from another's work. . . .

## **Article IV**

### **Section 1**

Tests and examinations at Allegheny need not be proctored. Instructors may remain in the room or in a nearby room but must remain in the building to be available to answer questions that may arise during the course of the examination.

### **Section 2**

Examinations are confined to the building in which they are given. Students shall have freedom of movement within that building. Students may not leave the building or take materials related to the exams into restrooms unless explicitly permitted to do so by the instructor, or unless the instructor declares the test to be written at home or other parts of the campus. Additionally, exams may not be taken behind a locked door. It is the student's responsibility to ensure that the door to the room remains unlocked during the entire exam.

### **Section 3**

Regardless of where the test or examination is taken, the student is responsible for obtaining any changes or corrections. Instructors are not under obligation to search out students to provide this information. Furthermore, the exam must be handed in at the time requested.