This is a preliminary course outline. The final version will appear at the start of classes and may slightly change from this.

★ Update: The classroom has been changed to Southham Hall (SA) 520 to accommodate our current size.

The early summer session for 2015 runs from May 4 until June 16. The exam period is June 19–25. The final exam date and time will be announced once it is determined by the University (the final exam is not necessarily an evening exam).

Course Information

Class: Monday and Wednesday from 6:05pm - 8:55pm, Southham Hall (SA) 520
Tutorial: Tuesday from 6:05 – 8:55pm, Herzberg Laboratories (HP) 4155
Website: tba
Forum: tba
cuLearn: https://www.carleton.ca/culearn/

People

M. Jason Hinek (Instructor)
Office hours: tba

tba (Tutorial TA)
Office hours: Tuesday from 8:05 – 8:55pm, in HP 4155

tba (Marking TA)

Calendar Description

A first course in programming, emphasizing problem solving and computational thinking. Topics include pseudocode, variables, conditionals, iteration, arrays, objects, functions, sorting, searching, and simulation.

Note: There will be a significant amount of programming required for this course.

Programming Environment and Textbook

Language: We will be using Processing 2 (https://www.processing.org/) for the majority (if not all) of the course. You can download and install it on your own computer or use the computers in the lab (HP 4155).

Several copies of the book will be available in the library on short-term loan.

Evaluation

<table>
<thead>
<tr>
<th>A</th>
<th>Assignments</th>
<th>40%</th>
<th>10 assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>Tutorials</td>
<td>5%</td>
<td>5 tutorials (starting the first week of classes)</td>
</tr>
<tr>
<td>Q</td>
<td>Quizzes</td>
<td>5%</td>
<td>6 pop quizzes (once a week, each week from May 4 and June 10)</td>
</tr>
<tr>
<td>M</td>
<td>Midterm Exam</td>
<td>15%</td>
<td>In class May 27 (tentative date)</td>
</tr>
<tr>
<td>F</td>
<td>Final Exam</td>
<td>35%</td>
<td>tba</td>
</tr>
</tbody>
</table>

★ Note: You must pass the weighted average of your midterm (M) and final exam (F) in order to pass the course. Your final grade will be determined using the following

if (M+F >= 25) then
  final grade is minimum( A+T+Q+M+F, 100 )

otherwise
  final grade is minimum( 2*(M+F), A+T+Q+M+F )

Tutorials There are five tutorials each worth 1% of your final grade. To receive a grade for a given tutorial, you must be present and work on the tutorial material. (Reading email, watching youtube, etc., does not count as working on the tutorial material.) The last tutorial day (June 16) will used for Assignment 10 presentations and grading.

Quizzes There will be six in-class pop quizzes during the semester: one in each week starting the week of May 4. Each quiz will be worth 1 mark and your best five out of the six quizzes will be used to compute your overall quiz grade at the end of the term.

Assignments There will be ten (10) assignments in this course. All assignments are due at 5:30pm on the specified due date. No lates will be accepted.

| Assignment 1 | 2% | due May 6 |
| Assignment 2 | 5% | due May 11 |
| Assignment 3 | 2% | due May 13 |
| Assignment 4 | 5% | due May 19 |
| Assignment 5 | 2% | due May 20 |
| Assignment 6 | 5% | due May 25 |
| Assignment 7 | 2% | due May 27 |
| Assignment 8 | 5% | due June 1 |
| Assignment 9 | 2% | due June 3 |
| Assignment 10 | 10% | due June 16 |
| Total | 40% |

★ Appeals: For assignments, you must contact the TA that marked your assignment within one week from the date that the assignments are returned (posted to cuLearn). If a rubric was posted for the assignment, you must complete it yourself (with justification for the problems you are contesting) and send/bring it
to the TA with your appeal.

For midterm appeals, you must fill out a form (that details why you think you deserve more marks for specific questions), attach it to your midterm and return it to the instructor no later than two weeks from the date the exams are returned to the class.

### Important Dates

See the University Calendar for all important dates:

[http://calendar.carleton.ca/undergrad/undergraduniversity/academicyear/](http://calendar.carleton.ca/undergrad/undergraduniversity/academicyear/)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon, May 4</td>
<td>Classes begin</td>
</tr>
<tr>
<td>Mon, May 18</td>
<td><strong>No classes</strong> (Victoria Day, University closed)</td>
</tr>
<tr>
<td>Tues, May 19</td>
<td>Tutorial will be a regular class, location tba. (to make up for Victoria Day)</td>
</tr>
<tr>
<td>Tues, June 16</td>
<td>Assignment 10 presentation in HP 4155</td>
</tr>
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### Collaboration Policy

⚠️ You may collaborate at the conceptual/problem-solving level of assignments and tutorials, but collaboration is strictly prohibited when writing solutions and code, which must always be your own.

### Undergraduate Academic Advisor

The Undergraduate Advisor for the School of Computer Science is available in Room 5302C HP, by telephone at 520-2600, ext. 4364 or by email at undergraduate_advisor@scs.carleton.ca.

The undergraduate advisor can assist with information about prerequisites and preclusions, course substitutions/equivalencies, understanding your academic audit and the remaining requirements for graduation. The undergraduate advisor will also refer students to appropriate resources such as the Science Student Success Centre, Learning Support Services and the Writing Tutorial Services.

### University Policies

Full academic regulations are found in the University’s calendar (link). Some excerpts are below.

**Academic Integrity**

Every student should be familiar with the Carleton University student academic integrity policy. A student found in violation of academic integrity standards may be awarded penalties which range from a reprimand to receiving a grade of F in the course or even being expelled from the program or University. Some examples of offences are: plagiarism and unauthorized co-operation or collaboration. Information on this policy may be found in the Undergraduate Calendar.

Plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one’s own. Plagiarism includes reproducing or paraphrasing portions of someone else’s published or unpublished material, regardless of the source, and presenting these as one’s own without proper citation or reference to the original source.

In cases where an investigation determines that a violation of the Academic Integrity Policy has occurred,
sanctions may be applied by the Faculty Dean, the Provost and Vice President (Academic), or by Senate Executive.
Sanctions may include but are not limited to completion of a remediation process, a written reprimand, assignment of a failing grade, withdrawal from a course, suspension from a program, suspension or expulsion from the university.

Students with Disabilities
The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision.

If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable).

After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable) at
http://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/

Religious Obligations
Carleton University accommodates students who, due to religious obligation, must miss an examination, test, assignment deadline, laboratory, or other compulsory event. The University has a Senate-approved policy on religious accommodation that forms part of its Human Rights Policy, available at:
http://www2.carleton.ca/equity/

Accommodation will be worked out directly and on an individual basis between the student and the instructor(s) involved. Students should make a formal written request to the instructor(s) for alternative dates and/or means of satisfying requirements. Such requests should be made during the first two weeks of any given academic term, or as soon as possible after a need for accommodation is known to exist, but in no case later than the penultimate week of classes in that term.

Pregnancy Obligation
Write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website:
http://www2.carleton.ca/equity/

Medical Certificate
The following is a link to the official medical certificate accepted by Carleton University for the deferral of final examinations or assignments in undergraduate courses. To access the form, please go to
http://www.carleton.ca/registrar/forms/