# review; exam info

## course topics in a nutshell

- connections with art
  - historical perspective, computer artists, representing images digitally, GUIs, algorithms for image generation
- connections with psychology
  - human-computer interaction; language, vision and touch; building computers that simulate the brain; quest for intelligent machines
- connections with biology
  - use of computer tools by molecular biologists, sequencing the genome, artificial life
- connections with music
  - representing sound digitally, new approaches / perspectives on music representation, music programming

## course in a nutshell

- skills
  - experience with computers, GUIs, HTML, basic javascript, java, paint programs
- concepts
  - principles of computer programming, the internet, encoding information digitally, hardware, systems
- contributions of women and men
  - visionaries, earliest computer programmers, artists, touch researchers, biologists

## what did you think?

- what would you have liked to learn more about?
- what was most useful?
- what was least useful?
- what would be helpful for the future?

## the final exam

- comprehensive: covers all lectures, readings and labs; slight emphasis on second half of course (material not covered in mid-term)

- 2 hours in length

- you may bring in one handwritten 8x11" (or DIN A4) 2-sided sheet of notes

## what will be the format of the exam?

- 2-3 multiple choice questions
- 1-2 questions on code
- 3-5 questions on technical concepts: GUIs, computer networks, algorithmic thinking, data structures, self-similarity, neural networks, digitizing data, computer hardware and systems
- 2-4 questions on connections with other areas

## other questions

Q. Do we need to have memorized the names of all the people and their contributions mentioned in class?

A. Hmm. You should be able to use people and their work to support arguments about the ways computers are used in application areas, how women as well as men are making contributions in computing and applications.

Q. What do we need to know from Nancy Nisbet's guest lecture?

A. Pretty much what is on the slides; in particular, the nature of RFID technology and its use in arts projects.

## office hours

- Mon, 5 Dec, 13:00-14:00
- Wed, 7 Dec, 9:00-10:00
- Thu, 8 Dec, 13:00-14:00
- Mon, 12 Dec, 11:00-12:00
- or by appointment

- e-mail is also ok (though harder to answer detailed questions); make sure to send e-mail from your UBC account.

## remember official UBC exam rules

- Each candidate must be prepared to produce, upon request, a Library/AMS card for identification.
- Candidates are not permitted to ask questions of the invigilators, except in cases of supposed errors or ambiguities in examination questions.
- No candidate shall be permitted to enter the examination room after the expiration of one-half hour from the scheduled starting time, or to leave during the first half hour of the examination.
- Candidates suspected of any of the following, or similar, dishonest practices shall be immediately dismissed from the examination

## official UBC exam rules

- Speaking or communicating with other candidates.
- Purposely exposing written papers to the view of other candidates. The plea of accident or forgetfulness shall not be received.
- Candidates must not destroy or mutilate any examination material; must hand in all examination papers; and must not take any examination material from the examination room without permission of the invigilator.

## ... and finally:

"Anyone can learn anything if they really need to be able to do it. And if the need is powerful enough it doesn't really matter how long it takes."
*- Harold Cohen, artist*

Some of what you've learned in this course will be useful to you beyond your final grade and transcript – let me (and the next generation of CPSC 101 / WMST 201 students) know about what and how you built on these skills and concepts!