What is the most interesting ability of science-fiction computers?

CMPT 128
Brian Fraser (c)

First...

Yes.

These slides will be posted on the course website.

Topics

1) People
2) Course Information
3) How to succeed

People

Instructor

- Dr. Brian Fraser
  - Email: bfraser@cs.sfu.ca
  - Office: SUR 4112
    - After-hours, call from phone in hallway.
- Office Hours:
  - MWF: 3:30pm-4:20pm.
  - Email me for different time.
- I like questions, and love feedback!

TA

- TAs:
  - TBA
- Leading labs throughout the semester.
- Best way to email for help:
  cmpt-128-help@sfu.ca

Students

- Who is in:
  - Faculty of Arts & Social Sciences
  - Faculty of Business Administration
  - Faculty of Education, Environment or Health Sciences
  - Faculty of Physical Sciences or Math
  - Faculty of Communication, Art and Technology
  - School of Engineering
  - School of Computing Science

Discussion

In groups of 2 to 3 people:
- Ask for name & email address!
- Answer the following:

1. What one piece of software do you most enjoy using?
2. What is the most interesting ability of futuristic science-fiction computers?
3. What is the worst thing computers have been, or are being used for?

Cautionary Note

- Some people may already know C++, so the first weeks may be a recap.
- Make sure you attend lecture and labs to learn the course resources.
- Material will get harder, and it's easy to be caught standing still.

Course Information

Course Topics

- Introduction to C++
- Object-Oriented design & programming
- Program specification and design
- Abstract data types
- Fundamental algorithms & problem solving

Basic Info

- http://www.cs.sfu.ca/CC/128/bfraser/
  - Readings - posted before class
  - Notes - before class if possible, possibly after
  - Labs - posted before labs
  - Assignments - about 2 weeks to complete

Text Book

- Required Text:
  - *Starting out with C++, Early Objects 7th Ed,* by Gaddis, Walters & Muganda, Pearson Education, 2010. ISBN 9780136077749.
  - On reserve in SFU Surrey library.
  - Text is to support course: material not covered in lecture is not testable.
- The textbook sells for:
  - SFU Book Store: ~$140 (Instock?)
  - Chapters: $135 ($128 for "members")
- Who has bought, or plan to buy the book?

Evaluation

- Percentages:
  - Labs 10%
  - Assignments 25%
  - Midterm Exam 20%
  - Final Exam 45%

Students must attain an overall passing grade on the weighted average of exams in the course in order to obtain a clear pass (C- or better).

Labs

- Weekly labs.
- 10% of course grade.
  - Marked based on attending and effort.
- Attend lab section you enrolled in.
- Discussion and helping is encouraged!
- May need an SFU Surrey ID card to get into lab. Get it this week!

Assignments

- ~6 Assignments, worth 25% total.
  - ~2 weeks to complete each.
- Please... Follow the directions!
  - Marks given for doing what is asked!
- Late policy 10% penalty per calendar day.
- Extensions require medical note. See web.

Exams

- Midterm:
  - June 22nd, in lecture (tentative).
  - Room TBA.
- Final:
  - August 19th, 3:30pm.
  - Cumulative for the whole course.
- Makeup exam requires medical note.
  - See web for form.

How to Succeed

(My favourite topic!)

Keys to Success

- Slides:
  - Posted online, BUT key points blanked out:
    Happiness is the meaning of life.
  - Take notes for the blanks and the extra things I say.
  - The notes will usually be posted online before class.
- Do labs to understand material.
- Do assignments to be proficient with material.
- And...
  Ask Questions!

Guide to Slides

- Slide Colour Guide:
  - Headings often in green.
  - Highlighted text often in yellow.
    - This course has one midterm and one final.
  - Terms being defined often in blue.
    - Hour: 60 minutes.
  - Blanked out text often in yellow & sweep effect.
    - There are 10 types of people in the world...
      Those who understand binary, and those who do not.

Success: Academic Honesty

- I am passionate about giving credit to students who do the work.
- My Promise:
  We will use many tools to:
  1) prove you did the work, and
  2) give you the credit!

Summary

- Check website for material.
- Course components:
  - Lectures for concepts.
  - Labs for first experiences.
  - Assignments for practice.
  - Tests for evaluation.
- Ask questions!
  Come see me or TA.