IN THE CASE OF A FIRE ALARM:

- REMAIN CALM
- IF IT IS SAFE, EVACUATE THE CLASSROOM OR LAB
- GO TO THE CLOSEST FIRE EXIT
- DO NOT USE THE ELEVATORS
 IF YOU NEED ASSISTANCE TO EVACUATE THE BUILDING, INFORM YOUR
 PROFESSOR OR INSTRUCTOR NOW!!!
- IF YOU NEED TO REPORT AN INCIDENT OR A PERSON LEFT BEHIND DURING A BUILDING EVACUATION, REPORT IT TO A FIRE WARDEN OR CALL <u>SECURITY SERVICES 204-474-9341</u>
- DO NOT REENTER THE BUILDING

UNTIL THE **"ALL CLEAR"** IS DECLARED BY A FIRE WARDEN, SECURITY SERVICES OR THE FIRE DEPARTMENT

COMP 1010- Summer 2015 (A01)

Jim (James) Young young@cs.umanitoba.ca

jimyoung.ca

Hello!

James (Jim) Young young@cs.umanitoba.ca jimyoung.ca

office hours T / Th: TBA EITC-E2-582 (or by appointment, arrange by email)

computer science, to me....

toys and fun!



XBOX Kinect

my info... office: EITC E2-582 office hours: M/T 10:30 or by appt. email: young@cs.umanitoba.ca jimyoung.ca EITC-E2-582

today...

course description:

"Do I belong in this course?"

"What is computer programming?"

course logistics overview, marking, website, etc.

introduction to computer programming

course description

who can take this course?

no computer programming background required!

basic computer usage skills: typing, using new software, using the web..

if you have extensive programming background:a) you may be surprised at what you still learnb) there are ways of challenging the course

what is this course about?

1) problem solving

how do you reach a goal given a set of tools? learn the tools practice using them to solve problems

2) computer programming

 a specific set of tools that match computers
 make computers solve problems for you

what is this course *not* about?

learning how to use software microsoft word microsoft excel

learning how to make web pages

learning how to make a blog

how to use the internet

course logistics

the course website!!!!!!

(desire2learn)

https://universityofmanitoba.desire2learn.com/

COMP 1010

UMLearn

assignments are submitted through D2L: MUST login to submit assignments (I will demo again at that time) UMLearn uses UMnetID you need to make your accounts! this is kind of crazy – all kinds of accounts! UMLearn, aurora, jump,????

claimid ← you do this to create all your accounts

<u>umanitoba.ca/claimid</u> →Create UMnetID things to see on UMLearn **ROASS** (course outline) grade breakdown **Course Schedule** Course notes Labs Forum important announcements

LABS!!

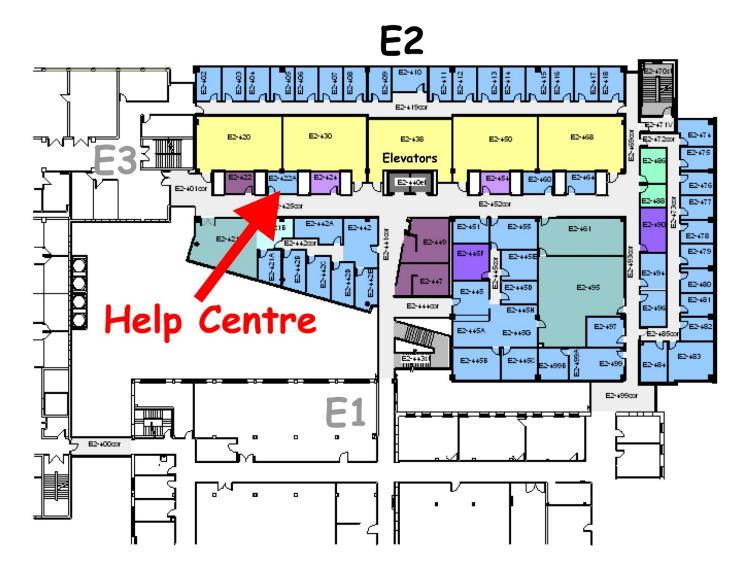
hands-on practice TA there to help you attendance mandatory (EASY MARKS) ATTEND the section for which you are registered. you may not get credit otherwise!!

hint: exam questions are often taken from labs hint: a little slow at them? they're posted ahead of time, work on them ahead of time

LABS START NEXT WEEK

help center!

http://www.cs.umanitoba.ca/~helpctr/



email policy

feel free to email me at any time always include [comp1010] in the subject

however, **not** the first line of defense help center! office hours! forum on D2L

Be polite:

"yo prof. was up im stuck on AS1 dude, dat hard ***"

deadlines!

are hard!

(almost) no exceptions!

hard drive crashed? laptop stolen? accidental deletion?



forum

USE BACKUP SOFTWARE

Dropbox, one drive, Wuala, Spideroak

automatically backs up as you work you can access online if your laptop dies synchronize between machines

CHEATERS!!!!!!

permanent transcript

specialized software



can be kicked from program

EVEN for signing your friends into the lab EVEN if you PROVIDE assignment

ZERO tolerance, no excuses

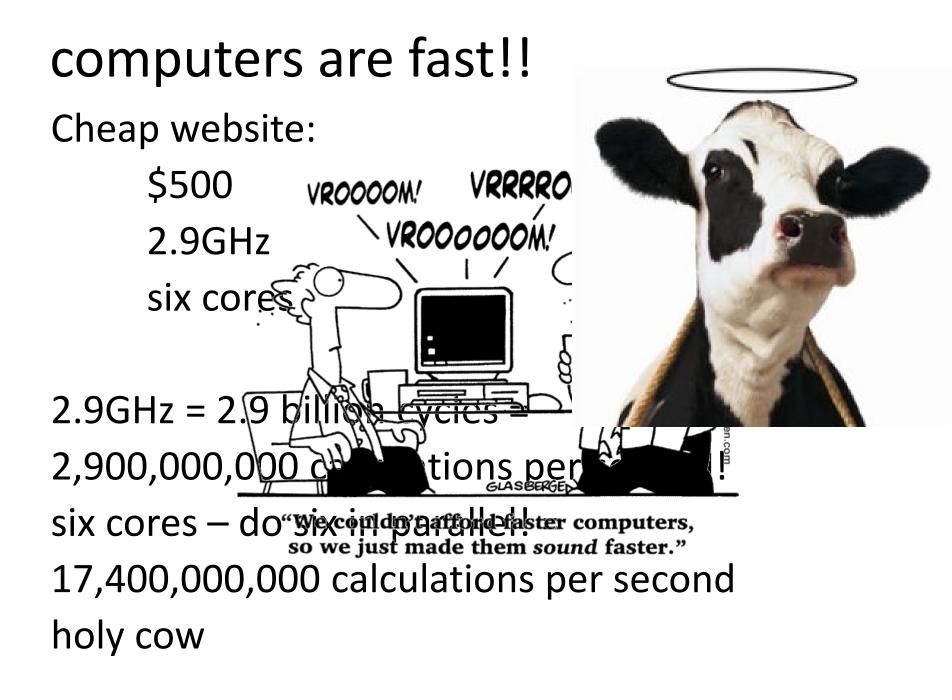
honesty declaration

there is a "check list" in D2L that you have to read and digitally sign off on. If you do not, you cannot submit assignments.

Midterm****

Nov 2nd, 6:45pm (location TBA)

introduction to programming



computers are stupid!

http://www.youtube.com/watch?v=2H7NZ0GNIIE

no common sense

- no cultural sense!
- doesn't speak english!
- no ability of reason
- can't "fill in the blanks" or "figure things out"

e.g., pick up the phone pass the salt copy my vacation photos

computers are stupid!

computers only understand concrete, simple, unambiguous, logical instructions has a specific, VERY limited, logical language but, it can do billions of them per second!

"computers do exactly what yo Not what you want them to do



computer programming:

Computer programming is the task translating something that you want to do into the computer's limited language.

Given a task or a job, you provide a "recipe" or exact set of instructions for the computer to complete that job.

example – cooking recipe

Colvin Run Mill Corn Bread

- 1 cup cornmeal
- 1 cup flour
- 1/2 teaspoon salt
- 4 teaspoons baking powder
- 3 tablespoons sugar
- 1 egg
- 1 cup milk
- 1/4 cup shortening (soft) or vegetable oil



a cooking recipe is a standard way to represent how to cook something so that (ideally, hah!) anyone can make a given dish. This is a **program** for cooking.

example – music!









this music score is a **program** for reproducing a piece of music. Gives /most/ of the details, the notes, the rhythm