



# CPSC203 – Introduction to Problem Solving and Using Application Software

Winter 2010

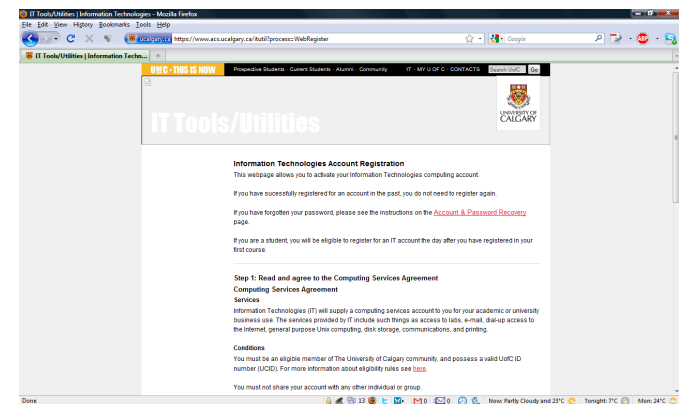
Tutorial 8: Mehrdad Nurolahzade

# Welcome to Tutorial 8

- **Name:** Mehrdad
- **Tutorial Hours:** Tue & Thu 17:00-17:50 @ MS 237
- **CT Hour:** Tue 18:00-19:00 @ MS 237
- **Office:** ICT 527
- **Tel:** (403) 210 9559
- **Email:** [mnurolah@ucalgary.ca](mailto:mnurolah@ucalgary.ca)
- **Wiki:** [http://wiki.ucalgary.ca/page/Courses/Computer\\_Science/CPSC\\_203/CPSC\\_203\\_Template/Winter\\_2010\\_Teaching\\_Assistants/W10\\_Mehrdad\\_Nurolahzade](http://wiki.ucalgary.ca/page/Courses/Computer_Science/CPSC_203/CPSC_203_Template/Winter_2010_Teaching_Assistants/W10_Mehrdad_Nurolahzade)

# UCIT Account

- If you don't have a UCIT Account please visit the UCIT Support Centre, Math Sciences 7<sup>th</sup> floor.
- Or register online:  
<https://www.acs.ucalgary.ca/itutil?process=WebRegister>



# Your Campus Email Address

- Make sure your campus email address is valid and you check it regularly.

The screenshot shows the Oracle Student Center interface. On the left is a navigation menu with categories like 'My Favorites', 'Self Service', and 'Student Center'. The main content area is for the user 'Mehrdad Nuroлахzade Ghalejooghi'. It features tabs for 'Personal Information' and 'Participation', with sub-tabs for 'addresses', 'names', 'phone numbers', 'email addresses', and 'emergency contacts'. The 'Email Addresses' section is active, showing a table with two entries: one for 'Campus' (mnurolah@ucalgary.ca) and one for 'Other' (mehrdad1976@yahoo.com). Below the table are buttons for 'ADD AN EMAIL ADDRESS' and 'SAVE'. A legend indicates that an asterisk (\*) denotes a required field. At the bottom, there are navigation links for 'Personal Information' and 'Participation', and a 'go to ...' search box.

**ORACLE**

Menu  
Search: [input] [go]

My Favorites  
Self Service  
  Online Security Requests  
  Personal Information  
  Payroll and Compensation  
  Class Search / Browse Catalog  
  Academic Planning  
  Enrollment  
  Campus Finances  
  Campus Personal Information  
  Academic Records  
  Degree  
  Progress/Graduation  
  Transfer Credit  
  Student Admission  
Student Center  
  Faculty Center  
  Class Search  
  Browse Course Catalog  
Set Up SACR

Mehrdad Nuroлахzade Ghalejooghi [go to ...]

Personal Information Participation  
addresses || names || phone numbers || email addresses || emergency contacts

**Email Addresses**

Enter your email addresses below.

The Email Type column lists the available types that can be selected. You may save only one email of each type.

*Email Type	*Email Address	Preferred	
Campus	mnurolah@ucalgary.ca	<input checked="" type="checkbox"/>	delete
Other	mehrdad1976@yahoo.com	<input type="checkbox"/>	delete

ADD AN EMAIL ADDRESS

SAVE

\* Required Field

Personal Information Participation  
Addresses Names Phone Numbers Email Addresses Emergency Contacts

[go to ...]

# What Are We Going to Learn in This Lab?

- Spreadsheets (Microsoft Excel)



- Databases (Microsoft Access)



- Programming (Alice)



# Tutorial Mark Breakdown

Item	Count	Total
Quiz	2	15%
Assignment	2	15%
Project	1	10%

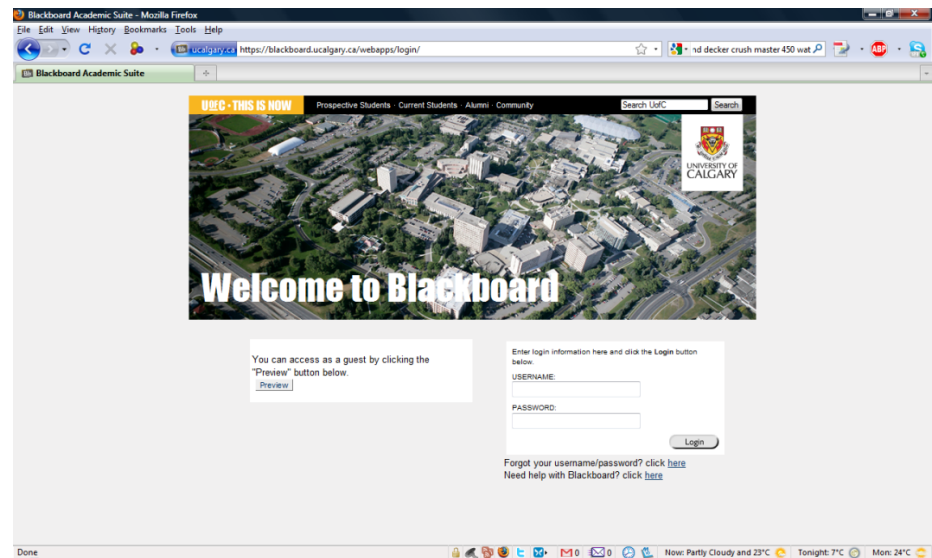
- This tutorial makes up 40% of the grade of this course.
- After submitting a quiz/assignment you will receive a feedback from me.
- You may enquire about your quiz/assignment mark **within 3 weeks** of receiving the feedback.

# Makeup Quiz

- If you cannot attend a quiz please get in touch with the instructor (Jalal) ASAP.
- He will ask you to provide proper evidence.
- If makeup quiz is granted, he will let me know to arrange for a makeup quiz.

# Blackboard

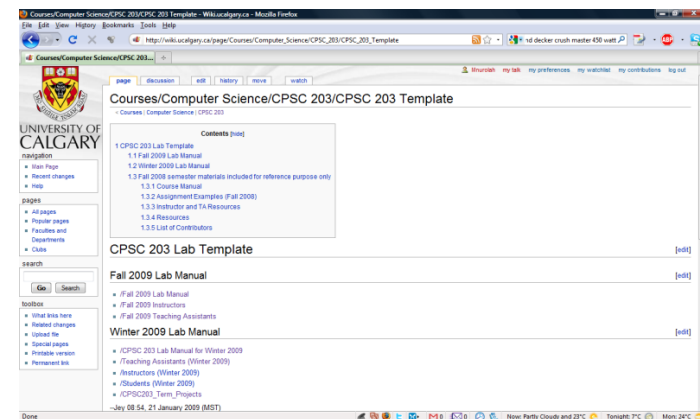
- Access course information & documentation
- Submission of quizzes and assignments





# UCalgary Wiki

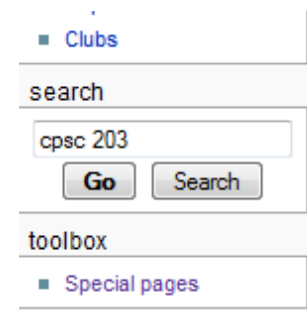
- Wiki Main Page: <http://wiki.ucalgary.ca>



- CPSC 203 Page  
[http://wiki.ucalgary.ca/page/Courses/Computer\\_Science/CPSC\\_203/CPSC\\_203\\_Template](http://wiki.ucalgary.ca/page/Courses/Computer_Science/CPSC_203/CPSC_203_Template)

# How Do I Get to the CPSC 203 Wiki Page?

- Visit the U of C Wiki home page:  
<http://wiki.ucalgary.ca>
- In the search box type in: CPSC 203.



- The first page on the search results is what you are looking for!

[View](#) ([previous 20](#)) ([next 20](#)) ([20](#) | [50](#) | [100](#) | [250](#) | [500](#))

## Page title matches

[Courses/Computer Science/CPSC 203/CPSC 203 Template](#)  
= CPSC 203 Lab Template = ==Winter 2010 Lab Manual== \* /Winter 2010 Lab  
Manual \* /Winter 2010 Instructors \* /Winter 2010 Teaching Assistants ...  
1 KB (112 words) - 17:35, 14 January 2010

# What's on the Wiki?

- Lab Manual

[http://wiki.ucalgary.ca/page/Courses/Computer\\_Science/CPSC\\_203/CPSC\\_203\\_Template/Winter\\_2010\\_Lab\\_Manual](http://wiki.ucalgary.ca/page/Courses/Computer_Science/CPSC_203/CPSC_203_Template/Winter_2010_Lab_Manual)

- Teaching Assistant Pages

[http://wiki.ucalgary.ca/page/Courses/Computer\\_Science/CPSC\\_203/CPSC\\_203\\_Template/Winter\\_2010\\_Teaching\\_Assistants](http://wiki.ucalgary.ca/page/Courses/Computer_Science/CPSC_203/CPSC_203_Template/Winter_2010_Teaching_Assistants)

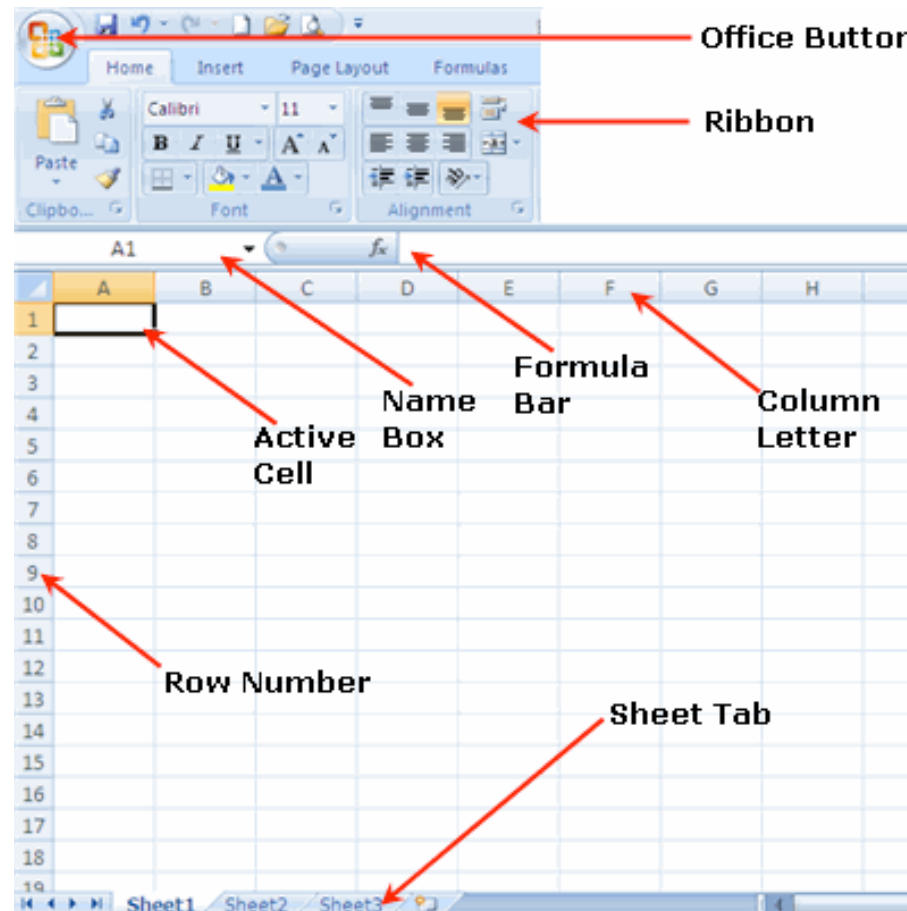
# Computers in the Lab

- No food and drinks in the lab.
- Your files are removed after you log out. If you want to keep a copy then ...
  - Use a flash drive.
  - Upload them somewhere on the Internet.
  - Email them to yourself.
- Computers can be a source of distraction!

# Spreadsheet

- A spreadsheet is a computer application that simulates a paper worksheet.
- It displays multiple cells that together make up a grid consisting of rows and columns, each cell containing either alphanumeric text or numeric values.
- A spreadsheet cell may alternatively contain a formula that defines how the contents of that cell is to be calculated from the contents of any other cell (or combination of cells) each time any cell is updated.
- Spreadsheets are frequently used for financial information because of their ability to re-calculate the entire sheet automatically after a change to a single cell is made.

# Microsoft Excel 2007



# Excel Basics

- Editing
- Auto-Fill
- Cell Formatting
- Basic Statistics:
  - Count: COUNT()
  - Min: MIN()
  - Max: MAX()
  - Average: AVERAGE()
  - Median: MEDIAN()
  - Mode: MODE()
  - Standard Deviation: STDEV()

# Cell Referencing

- A cell, in the same worksheet, is referenced by column and row, e.g. F11.
- A cell in a different worksheet is referenced by sheet name, exclamation point, and cell reference, e.g. Sheet2!B3.



# Custom Calculation

- Select the cell in which you would like the evaluation of the custom calculation to be displayed.
- In the Function toolbar, enter the custom calculation by starting with the equals symbol '='.
- After entering the custom calculation, press the 'enter' key to evaluate the function. The result will appear in the cell that was originally selected.

# Exercise

- Type in the following receipt information in an Excel sheet.
- Write the required formulas for computing the **Sum** and **Grand Total** cells.

Item	Count	Unit Price	Sum
Milk 1L	1	2.35	
Juice 1.8L	2	4.00	
Diet Coke	4	0.55	
Apple	1	0.60	
		<b>Grand Total</b>	