Expectations

Computer Science Department
CS2208a: Fundamentals of Computer Organization
Fall 2013
Instructor: Mahmoud R. El-Sakka
Office: MC-419
Email: elsakka@csd.uwo.ca
Phone: 519-661-2111 x86996

1

Topic 00: Expectations

Instructor and Teaching Assistance

■ *Instructor*

□ Professor *Mahmoud El-Sakka*
Middlesex College, Room 419
Phone: 519-661-2111 x86996
Email: *elsakka@csd.uwo.ca*

■ *Graduate Teaching Assistance (TA)*

□ Abdulwahab Kabini, *akabani5@uwo.ca*
□ Mike Molnar, *mmolnar2@uwo.ca*
□ Sakif Pritom, *spritom@uwo.ca*

© Mahmoud R. El-Sakka   2   *CS 2208: Fundamentals of Computer Organization*

1

Course schedule

- *Lectures*
  - □ *Time & place:* Wednesday from 11:30 am to 1:30 pm at *HSB-236*, and
    Friday   from 11:30 am to 12:30 pm at *HSB-236*

- *Office hours*
  - □ *Instructor:* Thursday from 10:30 am to 12:30 pm
  - □ *TAs:* 30 minutes immediately after each lab session at *NCB-113*
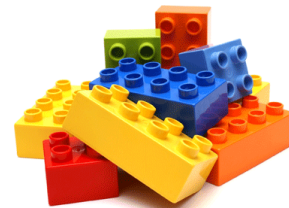
- *Labs*
  - □ *Time & place:* Monday from 12:30 pm to 1:30 pm at *NCB-113*

Course schedule

	8:30 to 9:30	9:30 to 10:30	10:30 to 11:30	11:30 to 12:30	12:30 to 1:30	1:30 to 2:30	2:30 to 3:30	3:30 to 4:30	4:30 to 5:30	5:30 to 6:30
Monday					**Lab**	O.H.				
Tuesday										
Wednesday				**Lecture**						
Thursday			Instructor O.H.							
Friday				**Lec.**						

2

Why am I taking this course?

- The professor who is teaching this course is giving good marks!!!
- To know more about operating systems

- ✓ To understand the basics and fundamentals of computer architecture and organization, i.e., *how a computer executes a program*
- ✓ To learn ARM assembly language (low-level programming)

Prerequisites

- Computer Science 1027a/b, 1037a/b, or 2101a/b
  - □ with a grade of at least 65% or

- *Students are responsible for ensuring that they have either:*
  - □ *prerequisites for this course, or*
  - □ *written special permission from their Dean to enroll in.*

3

CS2208 is a prerequisite in many courses

- CS3305: Operating Systems
- CS3342: Organization of Programming Languages
- CS3350: Computer Architecture
- CS3357: Computer Networks I

Textbooks

- Alan Clements,
  - *Computer Organization & Architecture: Themes and Variations Cengage Learning, ISBN: 978-1-111-98704-6, © 2014*

- The book is required

Textbooks

- There are free content that accompanies the textbook
  http://www.cengagebrain.com/cgi-wadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=9781111987046

  - □ By clicking on Computer Organization & Architecture Author Site (from the side menu), then by clicking on *Supplements* (from the top menu), you can access the ***HANDOUT of all chapters***

  - □ By clinking on Keil Simulator (from the side menu), then by clicking on Downloads at the far right corner, you can download a student version of the ***MDK-ARM simulator*** (to be used during this course) for free (after entering your information)

  - □ By clicking on Code Fragments (from the side menu), you can download ***fragments of all ARM codes*** presented in chapter 3 and chapter 4 of the book

---

Course Website

- Lecture notes, assignments, labs, and class information will be posted on the Online Western's Learning (***OWL***) system (***https://owl.uwo.ca***)

- You are responsible for reading this information frequently
- Lecture will be posted in pdf format
- *Possessing (and even reading) lecture notes is not a suitable substitute for attending lectures*

Assignment Conduct

- There will be 5 equal weight assignments
- Tentative assignments schedule:

Assignment no.	To be assigned on	Due in	Due on
1	Wednesday September 25	7 days	Wednesday October 2
2	Wednesday October 9	7 days	Wednesday October 16
3	Wednesday October 23	7 days	Wednesday October 30
4	Wednesday November 6	7 days	Wednesday November 13
5	Wednesday November 20	7 days	Wednesday November 27

- Assignments are due at 23:55 of the due date
- All submission will be submitted *electronically*
- Late assignments are ***strongly discouraged***
  - ☐ *10% will be deducted from a late assignment (up to 24 hours after the due date/time)*
  - ☐ After 24 hours from the due date/time, late assignments will receive a ***zero*** grade

---

Assignment Conduct

- Assignments may involve
  - ☐ Concept questions (non-programming) related to the course material, and/or
  - ☐ Assembly programming
- Assignment descriptions will be posted on the course website by the dates listed above
- Any changes, updates, and clarifications to assignments will also be posted on the website. It is your responsibility to monitor these pages closely

6

Assignment Conduct

- A program that produces the correct output is not necessarily a ***working*** program
  - □ It must also satisfy the specifications given in the assignment description
- Other criteria in terms of which an assignment will be evaluated include
  - □ coding style
  - □ comments
  - □ efficiency

Assignment Conduct

- Assignments will be marked by the Teaching Assistants, who follow marking schemes provided by the instructor

- Every effort will be made to have assignments marked within 3 weeks of the hand-in date, preferably sooner

- When assignment marking has been completed, you will be informed via the course website and/or email

Assignment Conduct

- A request for an assignment mark adjustment must be made within 2 weeks following the first handed-back day
  - ☐ You should direct any marking questions in the first instance to your TA
  - ☐ If you disagree with the TA, you may want to further discuss the issue with the course instructor
  - ☐ All assignment marks are considered final after 2 weeks

---

Assignment Conduct

- Assignments are to be done individually
  - ☐ *Never* let others look at your assignments
  - ☐ *Do not* ask to look at others' assignments
  - ☐ We use automated tools to screen for cheating
- You should read the definition and penalties of scholastic offences at:
  http://www.csd.uwo.ca/current_students/undergraduate_students/scholastic_offences.html
- Students are expected to adhere to the Rules of Ethical Conduct to use the computing facilities of the Department:
  http://www.csd.uwo.ca/current_students/undergraduate_students/rules_of_ethical_conduct.html

Laboratory Conduct

- There will weekly one-hour labs/tutorials
  - ☐ On Monday from 12:30 pm to 1:30 pm
  - ☐ To be held in room NCB-113

- During labs/tutorials, the Teaching Assistants will
  - ☐ present information/examples supporting the course material,
  - ☐ help students understand assignment specifications, and
  - ☐ answer related questions.

- You are expected to attend all labs/tutorials.

Student Evaluation

- *5 Assignments: 20%*

- *Midterm: 30%*
  - ☐ *Saturday October 26, 2013 (11:30 am -- 1:30 pm) at TC-341, TC-342 and TC-343*

- *Final exam: 50%*
  - ☐ *Date/time/location: TBA*

Student Evaluation

■ *To be eligible to receive a passing grade in the course*

  ☐ your total marks on the two midterms and the final exams must be at least 50%

■ *To be eligible to receive a grade of 60% or higher (i.e., to be eligible for Honours Programs) in the course*

  ☐ your total marks on the two midterms and the final exams must be at least 60%

Academic Accommodation for Medical Illness

■ If you are unable to meet a course requirement due to illness or other serious circumstances, you *must provide* valid medical or other supporting documentation to your *Dean's office* as soon as possible and contact your instructor immediately

■ It is the student's responsibility to make alternative arrangements with their instructor *once the accommodation has been approved by the Dean's office* and *the instructor has been informed*

■ In the event of a missed final exam, a "*Recommendation of Special Examination*" form must be obtained from the *Dean's office* immediately

■ For further information, please see:
  http://www.uwo.ca/univsec/handbook/appeals/accommodation_medical.pdf

■ A student requiring academic accommodation due to illness should use the *Student Medical Certificate* when visiting an off-campus medical facility **or** request a *Record's Release Form* (located in the *Dean's office*) for visits to Student Health Services

■ The form can be found at
  http://www.uwo.ca/univsec/handbook/appeals/medicalform.pdf