COURSE SECTION INFORMATION

CST8234 C Programming

Computer Science

Professor's Name:	Carolina Ayala	**Course Number:**	CST8234
Email:	ayalac@algonquincollege.com	**Course Section:**	10
Phone:	613-727-4723 x 3413	**Academic Year:**	2015
Office:	WT313	**Term:**	Fall
Out of Class Assistance:	TBA	**Academic Level:**	3

Section Specific Learning Resources

The textbooks for this course are the same as those listed in the approved course outline available on Blackboard.

- **Required Textbook:**
  The C Programming Language by Brian W. Kernighan & Dennis M. Ritchie, Prentice Hall, Inc., 1988.
  ISBN 0-13-110362-8

  A PDF of this book is available online.

- **Recommended References:**
  The C Programming Language, Exercise Solutions, http://clc-wiki.net/wiki/K%26R2_solutions

- C faq, http://c-faq.com/

Learning Schedule

Week	Content	Evaluation	
1	**Topic 00**: Course Overview **Topic 01:** Introduction to C Programming	Lab #0	
2	**Topic 02**: Basic Types & Operators **Topic 03**: Control Structures **Topic 04**: Functions	Lab #1	Quiz #1
3	**Topic 04:** Pointers & Arrays	Lab #2	Quiz #2
4	**Topic 04**: Pointers & Arrays	Lab #3	Quiz #3
5	**Topic 04:** Pointers & Arrays **Topic 05:** Structures	Lab #4	Quiz #4
6	**No class Monday: Thanksgiving Day** **Midterm I** (50 Minutes)	Lab #5	Quiz #5
		Midterm #1	**10%**
7	**Topic 05:** Structures	Lab #6	Quiz #6
8	**Topic 06**: Characters, Strings & Files	Lab #7	Quiz #7
9	**Topic 06:** Characters, Strings & Files **Topic 07**: Other C Topics	Lab #8	Quiz #8
10	**Topic 08**: Process Creation & Control	Lab #9	Quiz #9
11	**Midterm II** (90 Minutes) **Topic 09**: IPC – Inter Process Communication	Lab #10	Quiz #10
		Midterm #2	**10%**
12	**Topic 09**: IPC – Inter Process Communication **Topic 10**: Basic Networking Programming	Lab #11	Quiz #11
13	**Topic 10**: Basic Networking Programming	Lab #12	Quiz #12
14	Review Week	**SBA**	**10%**
15	**Final Exam**		**25%**

Class Schedule

Day	Where	Time		What
Monday	T119	10AM – 12 PM	Theory	400
Thursday	T119	11 PM – 12 PM	Theory	400

Evaluation Factors

Theory		
Midterms (2)	20%	
Quizzes	10%	
Final Exam	25%	
Total Theory		**55%**
Practical Work		
Labs / Assignments	35%	
Skill Based Assessment	10%	
Total Practical		**45%**

Special Note:

Theory and practical part should be passed independently in order to pass the course

Labs policies:

- Lab attendance is compulsory. Absence from three or more laboratory sessions without the prior consent of the professor will result in a final grade of “F”
- Lab marking scheme will be posted on advance. Labs will be marked based on functionality, style and performance
- Some labs will require more work, and will have a higher mark.
- Lab will require adequate design and testing
- All labs must be successfully completed in order to obtain course credit.
- Late labs will be penalized and receive a mark of zero, but they must still be completed.
- Labs that do not compile or fail to execute will receive a grade of zero, and will need to be resubmitted to obtain a passing grade in the course.