

# Lecture 0

## Introduction to the Course and to Algonquin College

Introduction to Computer Programming - CST8110  
Algonquin College - David Lareau  
Fall 2017

# CST8110

You will find in the Course Information section of BlackBoard:

## Course Outline: [outline.pdf](#)

- Pre-Requisites.
- Broad Course Description.
- Learning Resources (e.g. Textbook).
- Requirements (e.g. BYOD).
- Grading (e.g. Pass with 50%, Continue with 60%).
- Student Responsibilities.

## Course Section Information: [csi.pdf](#)

- Instructor Contact Information.
- Evaluation Breakdown.
- Schedule.

# Hybrid

When the school says a course has an Hybrid component, it simply means the course will have take-home assignments that will involve some research. This is usually in the form of reading an article online and answering simple questions.

## Warning

- This course is not an online course. You are expected to attend both lectures and labs in body (and spirit).
- ACSIS lists 3 times for this course. You have to attend all of them. The weird Online one is in regards to the Hybrid assignments.

CST8110 - 521 SPTS-Online

May 16 to Jul 20 Tue 00:00

[OffCampus](#)

CST8110 - 521 Theory

May 16 to Jul 18 Tue 18:30

[WA210](#)

CST8110 - 521 Theory

May 18 to Jul 20 Thu 18:30

[WA210](#)

Note: The listing above is an example from a past semester. SPTS means School of Part-time Studies.

# Pre-Requisites

This course has no Academic Pre-Requisites, but you should:

- Understand English.
- Have your own PC with Admin privileges.  
macOS users: you also need an App Store account.
- Be comfortable using a Web Browser (to access BlackBoard).
- Comfortable with basic Mathematics:
  - Division, Remainder
  - Power (e.g.  $2^3$  is 8)
  - Matrix (e.g.  $\begin{bmatrix} 1 & 4 & 0 \\ 0 & 0 & 1 \end{bmatrix}$ )

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I also somewhat assume that students:

- Can navigate their PC File System.
- Can work with .zip files.
- Are computer enthusiasts.

# About the Instructor

My name is David Lareau. I live with my wife and our daughter (2 years old).

I worked 10 years in many industries, including kernel development, video games, web, and academics.

I have studied 9 years in post-secondary institutions, earning a college, bachelor and master's degree.

## Teaching Experience (at various schools and capacities)

- Introduction to Programming I and II.
- Data Structures and Algorithms.
- Concept of Programming Languages.
- Video Game Development.
- Android Development.

Hands-on programming classes are my favourites so CST8110 is always fun.

I am part-time faculty at Algonquin College, which means I make  $\frac{1}{10^{th}}$  the salary of a full-time professor and receive no benefits. It also means I do not have an office nor office hours. Please contact me via email at [lareaud@algonquincollege.com](mailto:lareaud@algonquincollege.com) and I will respond within 24 hours (excluding weekends).

# Section Differences

## Differences between Daytime and Continuous Education:

- There is a coordinator for the daytime program (i.e. Howard Rosenblum).
  - All sections have the same amount of work.
  - All sections have the same final exam.
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## Differences between Daytime Instructors:

- The content of assignments, tests, and lectures may differ.
  - Sometime the labs are taught by someone else.
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## Differences between Seasons:

- The summer version may be compressed in 10 weeks.

# Schedule 310 - Computer Engineering Technology

	MON 11	TUE 12	WED 13	THU 14	FRI 15
12:00				<b>CST8110 310</b> 12:00-14:00 <u>WT119</u> Theory	
13:00		<b>CST8110 311</b> 13:00-15:00 <u>WH216</u> Lab			
14:00					
15:00			<b>CST8110 312</b> 15:00-17:00 <u>WB185</u> Lab		
16:00	<b>CST8110 313</b> 16:00-18:00 <u>CA418</u> Lab			<b>CST8110 314</b> 16:00-18:00 <u>WP213A</u> Lab	
17:00					
18:00					

# Schedule 310 - Computer Engineering Technology

## Warning

- The labs are not all on the same day, so some sections actually get less labs than others due to poor scheduling on the part of the school.

## Note

- I teach the lecture and all the labs for section 310 (311-314).
- Section 300 is taught by Howard Rosenblum and some of his labs are taught by Mohammad Patoary. I do not know their schedules.



# Schedule 330 - Computer Programmer

	MON 11	TUE 12	WED 13	THU 14	FRI 15
09:00	CST8110 331 09:00-11:00 WB185 Lab				
10:00				CST8110 330 10:00-12:00 WB370 Theory	
11:00					
12:00					
13:00					
14:00					
15:00					
16:00					
17:00	CST8110 332 Lab	CST8110 333 Lab			
18:00	Rejaul Chowdhury	Rejaul Chowdhury			

# Schedule 330 - Computer Programmer

## Warning

- The labs are not all on the same day, so some sections actually get less labs than others due to poor scheduling on the part of the school.

## Note

- I teach only one lab section (331). The two other labs are taught by Rejaul Chowdhury (332, 333).
- Section 320 is taught by Howard Rosenblum and his labs are taught by Mohammad Patoary and Hani Ezzadeen. Section 340 is taught by Cyr Bakinde. I do not know their schedules.

# Switching Section

If you are thinking of switching lab sections officially, it's too late. You had to do it through the registration system.

## Important Dates

- [academic\\_calendar\\_2017-2018.pdf](#)

There isn't enough seats for drifters sadly, so you are stuck with the section you were assigned.

## Warning

- In other words, if you attend another lab section than your own, you may get kicked out if there isn't enough space.

# Missing Lectures or Labs

Missing a lecture or a lab is always at your own detriment.

## Mitigate your Loss

- Contact me as soon as you know you will miss a class.
- Still do the lab work from home and submit it by the deadline.
- Catch up on the lecture slides and code examples. Email me questions if any.
- Remember that you are responsible of keeping up with announcements (looking at Blackboard or emails).

## Avoid looking Silly

- Keep your story consistent across courses. We all talk with the academic chair.
- Don't miss the Exams or Lab Tests if you already have a poor lab or assignments record.

<https://blackboard.algonquincollege.com/>

I will use BlackBoard (i.e. the course's site):

- to send class Announcements (also sent by emails).
- as a File Dump (e.g. lecture slides, lab, assignments).
- for you to submit files to me.
- for Quizzes.
- to let you know your marks on assignments, tests and labs.

### Warning

- BlackBoard is known to be glitchy. The school is planning to replace BlackBoard with something else in the coming year.
- In the event of an interruption, I will fallback to my personal website and student emails.
- BlackBoard isn't used for the final grade. Teachers submit those through another system, so no worries.

<https://liveac.algonquincollege.com/>

You should look at your emails regularly for class announcements. You can send me messages at [lareaud@algonquincollege.com](mailto:lareaud@algonquincollege.com).

### Warning

- Attachments sometime fail. I do not know if it is the school's server that is to blame.
- Sometime it helps to rename the attachment, but not always.
- Sending more than 10MB of attachments is usually a bad idea.

### Note

- Not sure if this also applies to student accounts, but on Android I can simply add my algonquin email credentials to Settings -> Accounts to receive emails.

# Centre for Accessible Learning (CAL)

If you have a documented disability, you can receive special accommodations. Examples:

- More time for exams (midterm and final).
- A note taker comes with you to class.
- Allowed to bring a guide dog.

## Warning

- You are responsible to contact CAL every semester.
- You are responsible to contact CAL for each individual course.

More detail at: <http://www.algonquincollege.com/cal/>

# Centre for Accessible Learning (CAL)

You do not have to disclose the nature of your disability to your teacher. Example of disabilities that may require special accommodations.

- Attention Deficit (ADHD)
- Learning Disability
- Mental Health (e.g. Anxiety, Depression)
- Autism
- Dyslexia
- Visually Impaired
- Injury (e.g. broken arm).

## Warning

- Poor Mastery of English is not a disability.