**Links to ECE650 Videos on Webex**

**Professor Vijay Ganesh**

* **Thursday September 9th, 2021** (ECE650 course logistics, certain highlights on the development computation and programming languages, intro to C++)
  + [Link](https://uwaterloo.webex.com/recordingservice/sites/uwaterloo/recording/076a8401f3b01039afaf00505681acf4/playback) **(password:** 9yNBi32q**)**
* **Tuesday September 14, 2021** (C++ continued)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=cf7a97dc77fcca0bfce762a7bc41371c) (**password:** PeWZSBq8)
* **Thursday September 16, 2021** 
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=cc49458a5791c73f244f76aaab5e1e8f) (**password:** GmdFRwz8)
* **Tuesday September 21, 2021** (Accessor and mutators, memory, pointers)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=cf1f926d1fe233d18c9fbae0a8104785) (**password:** tHjm3AmU)
* **Thursday September 23, 2021 (**C++ continued**)**
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=1fb5edfc7f9d9514edabceb2476d60cd) (**password:** Drq3xXkE)
* **Tuesday September 28, 2021** (Review of Assignment 1 Requirements and FAQs)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=163be6e0f890f6dc0a01b51cd7e4086d) (**password:** cXJqMaQ6)
* **Thursday September 30, 2021** (Regular Expressions)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=cdfe44094e93568dc5c963e21d3f078e) (**password:** 954CsQWX)
* **Tuesday October 5, 2021** (Processes, Fork, Pipes)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=b4d275f321cc0d7c5d55c0df927b1597) (**password:** nQZ6kYxE)
* **Thursday October 7, 2021** (Processes, Forks, Pipes continued)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=375ac341eb452218332a73efdcf793bd) (**password:** JaipihD6)
* **Tuesday October 19, 2021** 
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=38dcb73490dade6e24ff659adc3db2cd) (**password:** XdKcM2vf)
* **Thursday October 21, 2021** (control hijacking attacks, buffer overflow, integer overflow, preventing attacks, static and dynamically linked libraries, return oriented programming)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=f2041dad0883facacc7c4d98743e1e35) (**password:** HvVa3P4P)
* **Tuesday October 26, 2021** (Review of regular expressions, sample midterm regex questions 1-6)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=d1c7101418c3aff290d1e29d5bbe7e15) (**password:** GtFPHtM8)
* **~~Thursday October 28, 2021~~** ~~(Continue sample midterm take up)~~
  + [~~Link~~](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=825ea0c59d6ca9c2bfaf46fc0f643dc4) ~~(~~**~~password:~~** ~~CvwwqnM6)~~
* **Tuesday November 2, 2021** (Multithreaded programs, example of pthread)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=17a55da0bf36db2823dd0ca97aa75b45) (**password:** 59eYQqMA)
* **Tuesday November 9, 2021** (Multithreaded programming continued, example of pthread\_create)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=fdaf775ee897383c296a14d4be7bafd3) (**password:** 8NzDtpMQ)
* **Thursday November 11, 2021** (Threads vs. processes)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=aa246fed394dbe770867c85f54cbc3d0) (**password:** wM3WpY8y)
* **Tuesday November 16, 2021** (Multiprocessing)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=41b8b45b3e60d6e0b5d9c9caa99f60d8) (**password:** dCtch28M)
* **Thursday November 18, 2021** (producer-consumer semaphore example, Intro to formal logic)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=16d7f88345e6f4e79720149acda0b207) (**password:** SkAhCMx9)
* **~~Monday November 22, 2021~~** ~~(A3 Tutorial)~~
  + [~~Link~~](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=82446d4bf19d61a7cb36d6531f714308) ~~(~~**~~password~~**~~: 6xK5365m)~~
* **Tuesday November 23, 2021** (Intro to SAT solvers, formal logic continued)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=a7235a1f764f16d82d4074cea4a04d4e) (**password:** qPfYZjp3)
* **Thursday November 25, 2021** (Propositional logic, truth tables, satisfiability and validity)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=c14ec1748e88e8aac26bb18e18f548f8) (**password:** xYwmeeP8)
* **~~Sunday November 28, 2021~~** ~~(A4 Tutorial)~~
  + [~~Link~~](https://uwaterloo.webex.com/webappng/sites/uwaterloo/recording/playback/da2284643289103abfb70050568c91b6) ~~(~~**~~password~~**~~: iNec5AVN)~~
* **Tuesday November 30, 2021** (Formal Logic continued)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=18dff45b0e654178e5fb30c368d908b3) (**password:** 3Kq6kMP6)
* **Thursday December 2, 2021** (CNF and validity, Graph colouring CNF, Reduction from vertex-cover to CNF-SAT )
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=1d2024f62e31ee22709593ec4ca74d1a) (**password:** Qbm3kKpr)
* **Tuesday December 7, 2021** (Reduction to CNF-SAT continued)
  + [Link](https://uwaterloo.webex.com/uwaterloo/ldr.php?RCID=afaa8f02b1456bce136c2fb24ec10bc2) (**password:** MwHCBcQ6)