Welcome to IPC144

Summer 2023

Seneca Polytechnic

Who is Atidel Lahoulou?

Life Studies Work Travels

Before coming to Canada

- Part-time Professor for 3 years
- Full-time Professor for 17 years
- Internationally renowned researcher
- Head of research group
  - Biometrics
  - Cybersecurity
  - Multimedia
  - Artificial Intelligence

Ph.D.

- Electronics (Polytechnic, Algeria)
- Signals and images (Sorbonne Paris, France)

Post Doc

Canada

- Professor at Seneca College
- Data Specialist
- Auto-entrepreneur

Seneca Academic Integrity Policy

- Academic integrity is the commitment to six fundamental values:
  - Honesty,
  - trust,
  - fairness,
  - respect,
  - responsibility and
  - courage

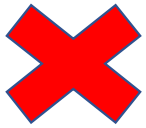
Seneca Academic Integrity Policy

- Every Seneca member must adhere with the Academic Integrity policy of the Seneca College.

- Violations of the SAIP include:
  - Cheating,
  - Contract cheating,
  - Falsification,
  - Impersonation and
  - Plagiarism

Seneca Academic Integrity Policy

- My responsibility (**and yours as well**) is to report any suspected violation of the Seneca Academic Integrity policy.



- Offence, Sanctions and procedure.

- https://www.senecacollege.ca/about/policies/academic-integrity-policy.html

Learn@Seneca

- https://learn.senecacollege.ca/ultra
- Seneca Blackboard - Explore the menu
- Direct link to the lecture notes “Course website”

Learn@Seneca

- Faculty contact information.
- My availabilities and expected response time.
- Course Addendum : download or print for offline access
- Student learning groups: supplemental and optional student-lead sessions for additional help.

https://library.senecacollege.ca/learningcentre/slg

Software Installation

- https://gettingstarted.sdds.ca/
- Step by step installation instructions:
    - Visual Studio
    - VPN
    - SFTP (secured file transfer protocol)
    - SSH (secured shell)

IPC144
Introduction to Programming using C

- Your first course in programming.
- Basic concepts, understanding and skills that you are going to need for the rest of your courses in this program.
- Conjunction with the APS 145 course.
- Groundwork for forthcoming OOP courses.

IPC144
Introduction to Programming using C

- Course website:
https://intro2c.sdds.ca/

- Package first weeks:
  - This presentation,
  - Addendum,
  - Agenda

IPC144
Introduction to Programming using C

Think in C - code in C

Teaching & Learning strategy

Lecture sessions

I	II		III	IV
Quiz Review	Discussion Demonstration Q/A	Break	Exercises	Workshop Q/A
20 min.	30 min.	5 min.	20 min.	30 min.

Teaching & Learning strategy

Lecture sessions (I)

Starting in Week 2, students will write a 10 – 12-minute quiz at the beginning (or the end) of the lecture session.

The quiz will be based on reading the week's topics (not the previous week topics).

The subject matter will not be delivered in a lecture before the quiz.

Teaching & Learning strategy

Lecture sessions (II)

When the quiz is complete, we will discuss the topics covered. I will not read the lecture notes to the class.

I will not refer to the notes unless students ask a specific question about what has been published.

VSC demonstrations: you need to bring your laptop to follow me.

Teaching & Learning strategy

Lecture sessions (III)

Exercises on BlackBoard or external links to LinkedIn Learning.
Group work is preferred and encouraged in this period.

Lecture sessions (IV)

Discuss the next lab + Q/A.

Teaching & Learning strategy

Lab sessions

Lab sessions are an opportunity for students to practice what they are learning.

Labs are written using Visual Studio, and then sent to Matrix, a LINUX server, and compiled and tested using a submitter tool.

Working labs that pass the submitter testing routine (matched outputs) are forwarded to me by email.

Teaching & Learning strategy

Lab sessions

The labs are composed of 2 parts.

Student work will only be graded if it was submitted to me using the Matrix submitter tool.

I will not grade work that is sent to me using any other means unless the student has made prior arrangements with me based on extenuating circumstances.

Teaching & Learning strategy

Lab Part 1

Designed to be accomplished in 60 – 90 minutes by most students. 

You should submit the finished part 1 to me using the matrix submitter no later than by 23:59 on Friday.

Part 1 is marked out of 1 point.

Teaching & Learning strategy

Lab Part 2

Part 2 will build on the accomplishments of part 1. You should submit the finished part 2 to me using the matrix submitter no later than by 23:59 on Tuesday.

Part 2 consists of 2 portions: code and reflection.

The code in Part 2 is marked out of 4 and the reflection marked out of 5.

Teaching & Learning strategy

Lab sessions

Read carefully the labs **submission policy** available in the workshops description sheet before any work submission.

How to pass IPC144?

The course promotion policy

You should satisfy the two conditions:

1) Overall weighted average: 50% or better, and

2) 50% or better on combined tests (weighted average of midterm and final)

Time management strategy

Class-Time Vs. Study-Time

The ratio of classroom time to study time should be 1:2 or 1:3.

For every hour you spend in class, you should plan to spend two to three hours out of class working independently on course assignments.

Consequently, you're expected to devote from 8 to 12 hours each week on reading assignments, workshops, etc.

Time management strategy

Class-Time Vs. Study-Time

Attendance is not mandatory, but you are encouraged to attend both the tutorial and the lab sessions.

Labs are an opportunity for you to discuss the topics with other students. Also, if you need help, you can directly ask the lab assistant (don't ask him for the solution) or me.

It is in your best interest to complete and submit your WS#Part1 by the end of the lab session, so you can dedicate more time working on Part2 which has a higher weight.

More recommendations

1) Always bring your laptop (lectures + labs)
2) Complete the workshops by your own. Do not ask code from somebody else. (No contract cheating)
4) Submit Part-1 of the workshop by the end of the lab session and start working on Part-2.
5) Ask questions and for help if you need it.
6) Use the immersive reader then use VSC side by side with the reading material. → No copy/paste
7) Do not wait until the deadline to submit your work.
8) Choose non-reflective lenses to protect your eyes.

Teaching & Learning strategy Summary

1. Read the prescribed topic(s), watch videos and practice on VSC.
2. Write the reading quiz (beginning */end* of class).
3. Discuss quiz content and weekly topics with demonstrations.
4. Discuss exercises with other students.
5. Discuss the coming lab (focused on the previous week's content)
6. Complete and submit workshop Part-1.
7. Complete and submit workshop Part-2 (code + reflection).
8. Read my feedback & review your submitted work for next assignment.

Academic accommodations

Only students who are granted academic accommodations

Send me an email (consider my response time)

Where can you ask if you have questions/struggles/issues with IPC144?

1) **Me** (lectures). The lab assistant (lab)
2) **Blackboard ???**
3) The student learning groups

   https://library.senecacollege.ca/learningcentre/slg
4) **Me** – by email (consider my response time)

Nice Summer 2023 term !