Administrative Issues

EECS2030 E&F: Advanced Object Oriented Programming
Fall 2024

CHEN-WEI WANG

Instructor

- How may you call me?

  “Jackie” (most preferred),

  “Professor Jackie”, “Professor”, “Professor Wang”, “Sir”, “Hey”, “Hi”, “Hello”
- When you need ***advice*** on the course, speak to me!
- Throughout the semester, feel free to suggest ways for helping your learning.

If You Are Not Enrolled Yet

- Send me an email ASAP requesting access to the course eClass site, with your *name*, *student number*, *Passport York ID*.
- Still keep up with lectures & study items (e.g., notes, tutorials).
- Still complete labs & tests (***no extension***).

Class Protocol

- Talking
- Using mobile phones

  ⟹ Please keep them to a ***minimum***!
- Slides are ***self-contained***, so I may **not** just read them off.
- I will focus on core concepts, examples
- Your ***engagement*** is the key: ask ***questions***!

Writing E-Mails to Your Instructor

- Think of me as your ***colleague*** who is happy to help you learn.
  - ***formality*** is unnecessary
  - ***courtesy*** is expected
- This sounds ***very rude*** (and may be delayed, if not ignored):

```
On the link you sent us for our mark
my mark for lab0 did not appear on it
and i submitted lab0 during my lab session
```

- This sounds ***much nicer***:

```
Hello Jackie, the link you sent didn’t work.
I did submit my lab0. Could you please look into this?
Thanks! Jim
```

Course Information

- An eClass site for materials common to both Sec. E & F:
  - ***LE/EECS 2030 E & F - Advanced Object Oriented Programming (Fall 2024-2025)***
    - Announcements
    - Lab Exercises
    - Written Tests [instructions & submissions]
- Please check your emails regularly!

Required Study Materials

- Lecture materials (recordings, iPad notes, slides, codes) will be posted for you to ***re-iterate concepts and examples***:

  `https://www.eecs.yorku.ca/~jackie/teaching/lectures/index.html#EECS2030_F24`

- Though Jackie attempts to record each lecture entirely:
  - *Not meant to be a replacement for classes!*
  - The purpose of recording is that you can focus on reaching ***maximum comprehension***.
    - *Ask questions!*
    - Take (even ***incomplete***) notes: they help when re-visiting lectures.
    - Review points which you need to ***re-iterate*** from the recordings.
  - It'd be ***your call*** to use the posted ***lecture recordings***:
    - either as a way to **review** details not understood for the first time;
    - or as an **excuse** to skip lectures!
- The ***course syllabus*** is posted in the above lectures site.

Course Syllabus

Let’s go over the ***course syllabus***.

Adapting Yourself to the Second Year

- You had lots of fun in your first-year courses:
  - Programming solutions were developed and tested via ***visualization*** on physical devices (e.g., Android tablet/emulator, Phidget board).
  - You may have done a bit of *testing* using:
    - A ***Console tester class*** with the `main` method
    - A ***JUnit test class*** with the **assertions**
- However, this isn't how a real ***software engineer*** works:
  - ***Problems*** are explained via the expected methods' ***API*** (i.e., I/O types) and some ***use cases***, without visualization!
  - A set of ***tests*** must be *re-run automatically* upon changes.

    [***regression testing***]
- Thinking *abstractly* without seeing changes on a physical device is an important skill to acquire before graduating.

  e.g., Watch *interviews at Google*: Given problems described in English, solve it on a whiteboard.

Professional Engineers: Code of Ethics

- *Code of Ethics* is a basic guide for ***professional conduct*** and imposes duties on practitioners, with respect to **society**, **employers**, **clients**, **colleagues** (including employees and subordinates), the **engineering profession** and him or herself.
- It is the duty of a practitioner to act at all times with,
  1. ***fairness*** and ***loyalty*** to the practitioner's associates, employers, clients, subordinates and employees;
  2. ***fidelity*** (i.e., dedication, faithfulness) to public needs;
  3. devotion to ***high ideals*** of personal honour and professional integrity;
  4. ***knowledge*** of developments in the area of professional engineering relevant to any services that are undertaken; and
  5. ***competence*** in the performance of any professional engineering services that are undertaken.
- Consequence of misconduct?
  - ***suspension*** or ***termination*** of professional licenses
  - civil ***law suits***

Source: PEO's Code of Ethics

What is this course about?

- *Solve problems* .
  - ***Procedural Programming***: **Step-by-step** instructions, by which the computer follows to achieve a certain task.
  - ***Object Orientation***: Design software artifacts whose ***architecture*** corresponds to the real life entities.
- *Express solutions in Java* .

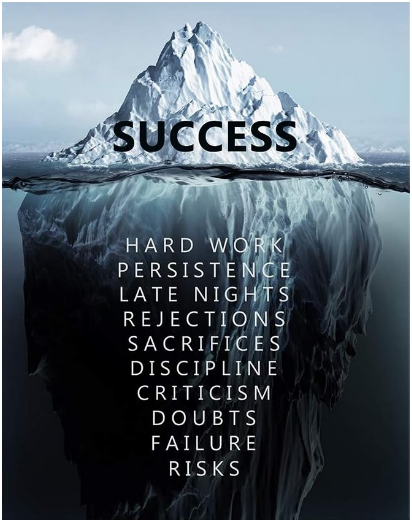
General Tips about Studying in a University

- To do well, ***inspiration*** is more important than ***perspiration***.
- Hard work does not necessarily guarantee success, but no success is possible without ***hard work***

  ⇒

  - Don't be too satisfied just by the fact that you work hard.
  - Make sure you work hard both on ***mastering "ground stuffs"*** and, more importantly, on ***staying on top of what's being taught***.
  - Go ***beyond*** lectures (e.g., CodingBat, LeetCode).
  - Be *curious* about why things work the way they do.
  - Always *reflect* yourself on *how things are connected*.
  - Be *happy* about doing work **not** associated with marks ☺

General Tips about Success



SOURCE: `https://a.co/d/aQ13fR1`

Index (1)

Index (2)