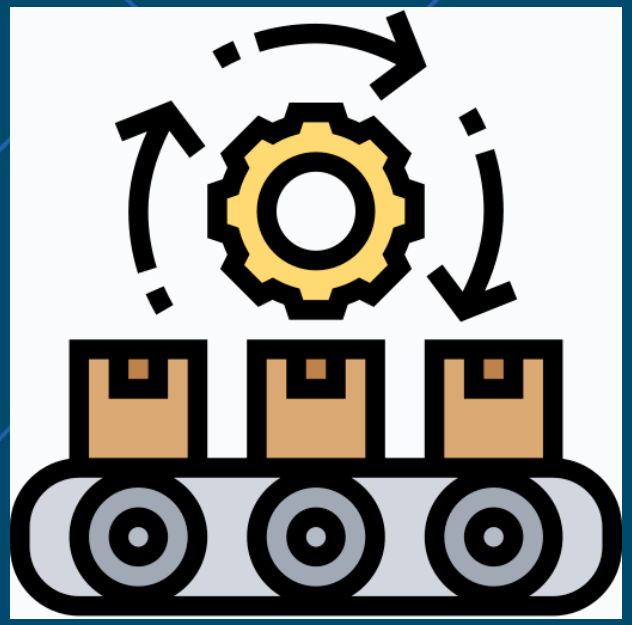
Féidearthachtaí as Cuimse
Infinite Possibilities



Object Oriented Programming

TU857 Year 2 Semester 2

OLLSCOIL TEICNEOLAÍOCHTA BHAILE ÁTHA CLIATH
DUBLIN
TECHNOLOGICAL UNIVERSITY DUBLIN

Approach

- **Semester 1** Dr. Sunder Ali Khowaja
  - Python
  - General OO

- **Semester 2** Dr. Susan McKeever
  - Java
  - More OO
  - (And a chance to reinforce Sem 1 concepts)

Lecturer Details

Dr. Susan McKeever

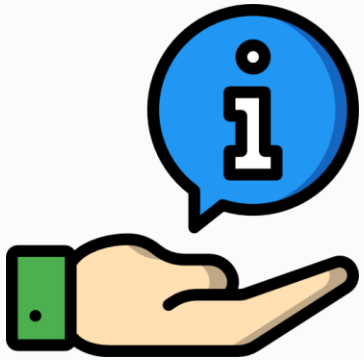
Susan.mckeever@tudublin.ie

Areas: AI and Data Science

https://www.tudublin.ie/explore/faculties-and-schools/computing-digital-data/school-of-computer-science/people/academic-staff/susanmckeever.php

Course Outline

- Java overview
- OO through Java
  - Classes, objects, instantiation, inheritance, files and streams, exception handing, GUIs, collections.. and more.
- OO versus procedural programming
- Target: Competence in OO and java. Plus solving problems through code



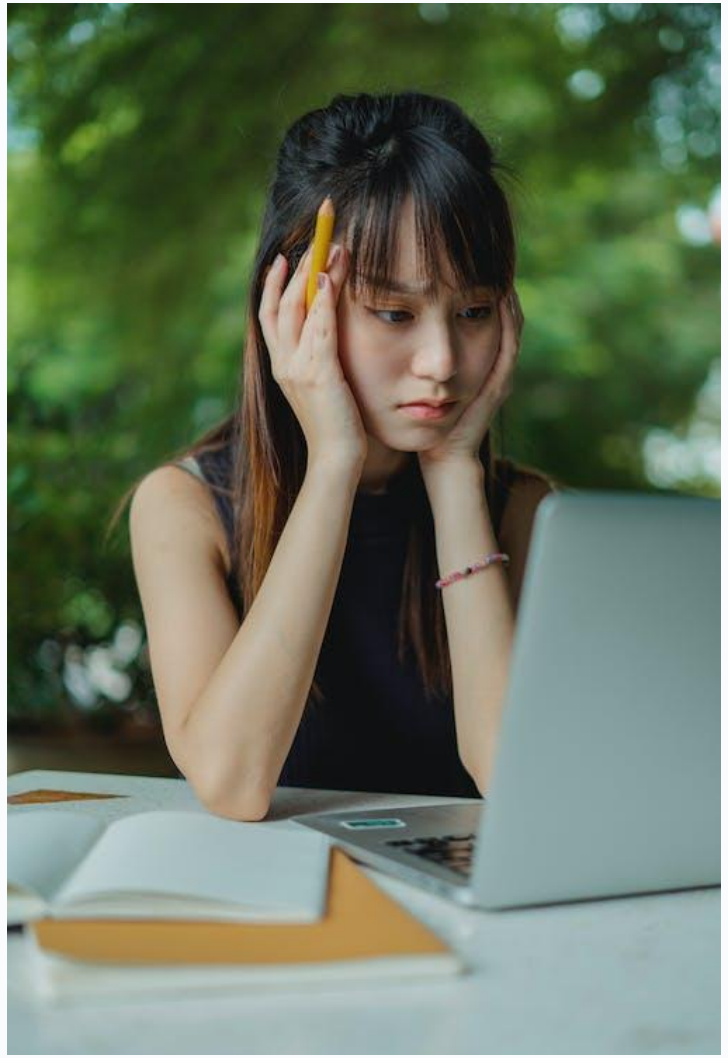
How this module will work

- Some slides
- Plenty of in class code examples - Learn through doing
- ***Labs are critical to keep up***
- Practical labs – marked each week.
- An assignment
- If you've struggled with programming…

Module assessment

- Semester 1 = 50% of the marks
- Semester 2 = 50% of the marks

- ONE written exam. Paper will be split into two halves. 50/50
- To pass the module, must pass the written exam too



Semester 2 assessment

- CA for Sem 2 will break down into pieces
  - Labs – 50%
  - Assignment – 50%
  - Your lab work will be marked each week by end of lab session. i.e. during the session – no submissions

Teaching times

Wednesday Lecture 11 to 1 CQ 501

Thursday Tutorial - 10 – 11 CQ 204

- Go over/ finish points from lecture
- Get started on lab concepts during this session

Thursdays Labs – 11-1pm 2 Lab groups (me + MC)

Week 1 arrangements. Labs YES but no tutorial

Guidelines

- **Labs** :
  - In person
  - Sign in sheets
  - Be present during lab - No last minute appearances for grading
  - Know your code…
  - GenAI – Not to be used for labs.
    - 2nd years need coding fundamentals
- . **Lectures** - Late arrivals to class - Minimal fuss; Use the time to learn