

Programming

TU856-1 (BSc. in Computer Science)

TU857-1 (BSc. in Computer Science Infrastructure)

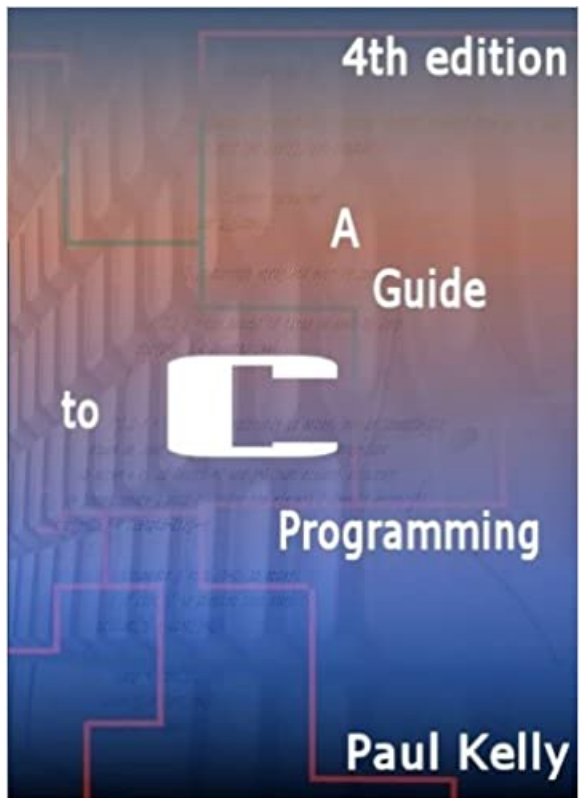
TU858-1 (BSc. in Computer Science International)

Dr. Michael Collins

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Programming module details

- **Duration:** Year-long (semester 1 & 2)
- **ECTS:** 10
- **Prior programming knowledge expected:** None
I will assume no prior programming experience and you are completely new to learning programming.
- **Book**
Not necessary as there are plenty of free tutorials, guides, e-books available online. However, the following book is excellent.

A Guide to C Programming, 4th Edition	
Author: Paul Kelly	
Amazon.de approx: €40	

- **Equipment:** Laptop is highly recommended.

Your Student Handbook has details of recommended laptops for Computer Science students. The HEAnet offers discounts to TU Dublin students.

<https://www.heanet.ie/store>

Assessment

Programming weighting (50% written exam: 50% continuous assessment)		
	Written Exam	Continuous Assessment (CA)
Semester 1 (Sep – Dec)	NO written exam	<ul style="list-style-type: none">• Lab Test 1 – 15%• Weekly lab session exercise<ul style="list-style-type: none">○ (1% x 10 labs) = 10%
Semester 2 (Jan – Apr)	<ul style="list-style-type: none">• 3 hr written exam• You <u>must</u> pass this written exam. i.e., achieve min. 40%	<ul style="list-style-type: none">• Lab Test 2 – 15%• Weekly lab session exercise<ul style="list-style-type: none">○ (1% x 10 labs) = 10%

Timetable

Please refer to your online timetable at: <https://timetables.tudublin.ie/>

Lectures

- Tuesday, 12pm – 1pm, CQ-006
- Wednesday, 5pm - 6pm, CQ-006

Tutorial

- Wednesday, 11am - 12pm, CQ-LG21 (TU856 & TU858)
- Wednesday, 3pm – 4pm, CQ-105 (TU857)

Labs

TU857

- Monday, 3pm – 5pm
 - Group **A**: Dr. Michael Collins – CQ-235
 - Group **B**: Cindy Liu – CQ-237
 - Group **C**: Richard Lawlor – CQ-230

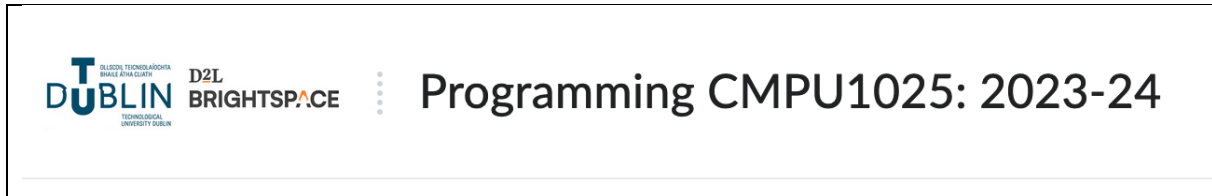
TU856 & TU858

- Tuesday, 9am - 11am
 - Group **A**: Dr. Michael Collins – CQ-236
 - Group **B**: Dr. Bianca Schoen Phelan – CQ-237
 - Group **C**: Richard Lawlor – CQ-235
 - Group **D**: Dr. Eoin Rogers – CQ-233
 - Group **E**: Dr. Fadoua Rafi – CQ-227
- I will provide sample solutions to some lab session exercise questions.

Brightspace

You need to self-enrol on the correct Programming module on Brightspace. All lecture notes, lab exercises, lab tests and assignments will be placed here.

To self-enrol, search for the following using the 'Discover' search box at the top of your Brightspace main page



Brightspace will show a list of different 'Programming' related modules to self-enrol. Ensure you select the correct module for your course.

1. For TU856 and TU858, you will see a description that says:

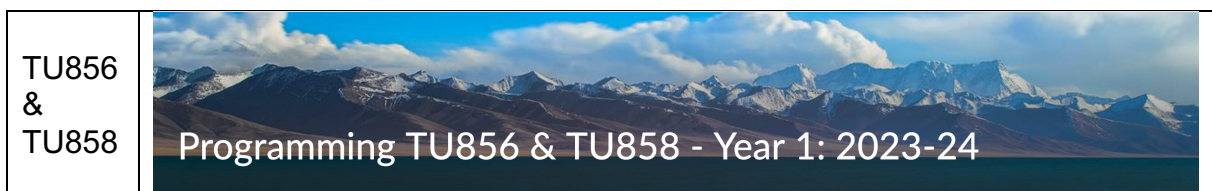
TU856 Year 1 (BSc in Computer Science)

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TU858 Year 1 (BSc in Computer Science International)

Programming with Dr. Michael Collins (School of Computer Science)

Only enrol on this module if you are registered on either of the above programmes




2. For TU857, you will see a description that says:

TU857 Year 1 (BSc in Computer Science Infrastructure)

Programming with Dr. Michael Collins (School of Computer Science)

Only enrol on this module if you are registered in the above programme.

TU857	
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Programming TU857 - Year 1: 2023-24

Microsoft Teams

Teams will be used in lab sessions in the last 30 mins to collaborate and write sample code for exercise questions.

You should download and install the Microsoft Teams app on your laptop or mobile device.

Visual Studio Code

VS Code will be used as your program development tool (editor). Free to download for any OS.