# CS2040C
# PE Instructions and Venue/Time Allocations

## VERY IMPORTANT:

1. Please **remember your coursemology login and password**. You need to log in to coursemology at the start of the PE with the password and login id. All submissions are through coursemology.

2. You will be logged into a special Windows account at the beginning of the PE. Do not use your own NUSNET account. **Do not log off** until the end of the PE. Do not close your coursemology in your browser.

3. You have only **5** submissions for each part (instead of unlimited #submission in assignments.)

4. You are advised to start your Visual Studio even before you download your files form coursemology because it takes about 5 min or more to start VS for the first time.

## Arrival Procedures

- There will be two sessions, namely Session *A* from 1:30-3:30 and Session *B* from 4:00-6:00
- If you are allocated to Session A, please go to your labs (PLs or WSLs) 20 min before the PE **directly**, namely 1:10. You are not allowed to enter the labs after 1:15pm
- If you are allocated to Session B, please go to your corresponding *Quarantine halls* (QHs) before 3:30. You will not be allowed to enter after 3:40pm. You need to take attendance in the QHs and you have to **stop using any communication devices** in the QH because the assessment is considered to be started when you enter your QH. You cannot go to your PE labs directly without going through the QHs.
- Please remember that, once you are in a lab or QH, you've already ENTERED the exam. And you should NOT communicate with any others anymore. And you should not use any devices such as smartwatches, phones, laptops, etc.
- For each session, no one can leave early. You have to stay in the session even through you are done.

## PE INSTRUCTIONS

1. This is NOT an open-book assessment. You can only bring one piece of A4 size cheat sheet and one piece of blank paper, but **not** any electronic devices. You have to switch off/silence your mobile phone/smartwatch and **keep it out of view**. However, you can access your lecture slides and past assignment submissions on coursemology.

2. Please read carefully and follow all instructions in each question. If in doubt, please ask. Raise your hand and the invigilator will attend to you.

3. Any form of communication with other students or the use of unauthorised materials is considered cheating and you are liable to disciplinary actions.

4. When you are told to stop, please do so **immediately**, or you will be penalised.

5. **You will be forced to log out at the time the PE ends SHARPLY**. Make sure you save and submit your work a few minutes (> 5 min) before it ends. The network will be jammed at the last few min of the assessment because everyone is submitting at the same time.

6. ***Your program must be able to be compiled!*** Or you will receive zero mark for that part.

7. All of the PCs will be running Windows and using MSVC 2017. Some of the machines may be installed with MSVS Code. Use it if you want.

8. Any variables used must be declared within some functions. You are not allowed to use global variables

9. You should only modify the functions stated in the questions.

10. It's your own responsibility to make sure that you have submitted the right code on time.

## Advice

- Manage your time well! Do not spend excessive time on any task.
- Read all the questions and plan before you start coding.
- Please save and backup your code regularly during the PE.
- It is a bad idea to do major changes to your code at the last 10 minutes of your PE.

## PE Venues and Timing Allocation

| PE Venue | Time (pm) | Code | QH | Remark |
|---|---|---|---|---|
| COM1-B-12 Programming Lab 1 | 1:30-3:30 | APL1 | Nil | Reach PL1 at 1pm |
| COM1-B-09 Programming Lab 2 | 1:30-3:30 | APL2 | Nil | Reach PL2 at 1pm |
| COM1-B-08 Programming Lab 3 | 1:30-3:30 | APL3 | Nil | Reach PL3 at 1pm |
| COM1-B-10 Programming Lab 5 | 1:30-3:30 | APL5 | Nil | Reach PL5 at 1pm |
| COM1-01-20 Programming Lab 6 | 1:30-3:30 | APL6 | Nil | Reach PL6 at 1pm |
| I3-03-39 Workstation Lab 1 | 1:30-3:30 | AWS1 | Nil | Reach WS1 at 1pm |
| I3-03-38 Workstation Lab 2 | 1:30-3:30 | AWS2 | Nil | Reach WS2 at 1pm |
| I3-03-38 Workstation Lab 2 | 1:30-3:30 | AWS3 | Nil | Reach WS3 at 1pm |
| COM1-B-12 Programming Lab 1 | 4-6pm | BPL1 | LT15 | Reach LT15 at 3:30pm |
| COM1-B-09 Programming Lab 2 | 4-6pm | BPL2 | LT19 | Reach LT19 at 3:30pm |
| COM1-B-10 Programming Lab 5 | 4-6pm | BPL5 | LT15 | Reach LT15 at 3:30pm |
| COM1-01-20 Programming Lab 6 | 4-6pm | BPL6 | LT19 | Reach LT19 at 3:30pm |
| I3-03-39 Workstation Lab 1 | 4-6pm | BWS1 | iCube Aud | Reach iCube Aud at 3:30pm |
| I3-03-38 Workstation Lab 2 | 4-6pm | BWS2 | iCube Aud | Reach iCube Aud at 3:30pm |
| I3-03-38 Workstation Lab 2 | 4-6pm | BWS2 | iCube Aud | Reach iCube Aud at 3:30pm |

(Sorted in ascending order of student numbers)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A0135450N | BPL1 | A0188686A | BPL2 | A0211248N | BPL5 | A0216837X | BPL6 | A0217396W | BWS1 |
| A0136286Y | BPL1 | A0189443U | BPL2 | A0211251B | BPL5 | A0216852A | BPL6 | A0217408H | APL1 |
| A0138005R | BPL1 | A0196662R | BPL2 | A0213920R | BPL5 | A0216884U | BPL1 | A0217439Y | APL1 |
| A0154602N | BPL1 | A0199372N | BPL2 | A0214232X | BPL5 | A0216911L | BPL6 | A0217442L | BWS1 |
| A0164645Y | BPL1 | A0200503E | BPL1 | A0214463L | BPL5 | A0216914E | BPL6 | A0217448Y | BWS1 |
| A0164662B | BPL1 | A0200647M | BPL1 | A0214553L | BPL5 | A0216921J | BPL6 | A0217465B | BWS1 |
| A0167218B | APL1 | A0200704Y | APL1 | A0214565E | BPL5 | A0216952B | BPL6 | A0217466Y | BWS1 |
| A0167397L | BPL1 | A0200785H | BPL2 | A0214585B | BPL5 | A0216960A | BPL6 | A0217476X | APL1 |
| A0167765M | BPL1 | A0201195N | BPL2 | A0214633M | BPL5 | A0216973W | BPL6 | A0217480H | BWS1 |
| A0170833H | BPL1 | A0201592M | BPL2 | A0214636H | BPL5 | A0216990X | BPL6 | A0217498N | BWS1 |
| A0171928W | APL1 | A0202097L | BPL2 | A0214946Y | APL1 | A0217010A | BPL6 | A0217516H | BWS1 |
| A0172766U | BPL1 | A0202138U | BPL2 | A0214947X | APL1 | A0217086A | BPL6 | A0217519B | BWS2 |
| A0173134M | BPL1 | A0205644J | APL3 | A0215122Y | BPL5 | A0217126M | BWS1 | A0217533J | BWS2 |
| A0173648U | BPL1 | A0206013B | APL1 | A0216481H | BPL5 | A0217129H | BWS1 | A0217538Y | BWS2 |
| A0177879Y | BPL1 | A0211171Y | BPL2 | A0216541M | BPL6 | A0217139E | BPL1 | A0217550L | APL1 |
| A0180305R | APL1 | A0211175R | BPL2 | A0216593Y | APL1 | A0217146J | BWS1 | A0217561H | BPL1 |
| A0182402R | BPL1 | A0211184R | BPL2 | A0216603N | BPL6 | A0217160R | APL1 | A0217572A | BWS2 |
| A0182766R | BPL1 | A0211196L | BPL2 | A0216636A | BPL6 | A0217169Y | BWS1 | A0217596R | BWS2 |
| A0183093A | BPL1 | A0211198H | BPL2 | A0216639X | BPL6 | A0217205R | BWS1 | A0217608A | BWS2 |
| A0183271H | BPL2 | A0211221H | BPL2 | A0216666X | BPL6 | A0217323N | BWS1 | A0217611N | BWS2 |
| A0184230N | BPL2 | A0211222E | APL1 | A0216695U | BPL6 | A0217348B | BWS1 | A0217628Y | BWS2 |
| A0184627W | BPL2 | A0211230H | BPL2 | A0216783X | BPL6 | A0217368X | BWS1 | A0217641J | BWS2 |
| A0187221J | BPL2 | A0211238R | BPL5 | A0216802M | BPL1 | A0217371J | APL1 | A0217646Y | BWS2 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A0217674X | BWS2 | A0218113U | APL2 | A0219731E | APL6 | A0221536M | APL1 | A0223593A | AWS3 |
| A0217678N | BWS2 | A0218135L | APL2 | A0219733B | APL6 | A0221571N | AWS1 | A0223631R | AWS3 |
| A0217689L | BWS2 | A0218136J | APL2 | A0219738R | APL6 | A0221579Y | AWS1 | A0223892Y | AWS3 |
| A0217701N | BWS2 | A0218149B | APL2 | A0219760B | APL6 | A0221585E | AWS1 | A0225642J | AWS3 |
| A0217707A | BWS2 | A0218188W | APL2 | A0219767M | APL6 | A0221603X | AWS1 | A0225644E | AWS3 |
| A0217711M | APL1 | A0218191H | APL2 | A0219773U | APL6 | A0221622W | AWS2 | A0225646B | AWS3 |
| A0217735B | APL1 | A0218208J | APL2 | A0219789E | APL6 | A0221639E | BWS3 | A0225707E | BWS3 |
| A0217746X | APL1 | A0218211W | APL5 | A0219795L | APL6 | A0221675E | AWS2 | A0225742H | BWS3 |
| A0217748U | BWS2 | A0218240R | BWS3 | A0219796J | APL6 | A0221805N | AWS2 | A0225864X | BWS3 |
| A0217756W | BWS3 | A0218353H | APL5 | A0219814B | APL6 | A0221841N | AWS2 | A0226567W | BWS3 |
| A0217766U | BWS3 | A0218441L | APL5 | A0219867L | APL6 | A0221939Y | BPL1 | A0226612M | BWS3 |
| A0217792W | BWS3 | A0218443H | APL5 | A0219887H | APL6 | A0222214Y | AWS2 | A0227500U | BWS3 |
| A0217841E | APL1 | A0218445A | APL1 | A0219938M | APL6 | A0222500A | AWS2 | A0227579M | BWS3 |
| A0217867N | APL1 | A0218446B | APL3 | A0219955N | APL6 | A0222554L | AWS2 | A0227636Y | BWS3 |
| A0217889H | APL1 | A0218448X | APL5 | A0220015E | AWS1 | A0222617L | AWS2 | A0227716B | BWS3 |
| A0217890X | APL2 | A0218451J | APL5 | A0220045Y | BWS3 | A0222621W | AWS2 | A0227717Y | BPL1 |
| A0217937U | APL2 | A0218464B | APL5 | A0220129U | AWS1 | A0222631U | AWS2 | A0229213M | AWS3 |
| A0217938R | APL2 | A0218484X | APL5 | A0220591M | AWS1 | A0222650R | AWS2 | A0229244E | BPL1 |
| A0217957N | APL2 | A0218514J | APL5 | A0220597B | AWS1 | A0222660N | AWS2 | A0229300U | BPL1 |
| A0217958M | APL2 | A0218528Y | APL5 | A0220610A | AWS1 | A0222718H | AWS2 | A0230051A | BWS3 |
| A0217974R | APL2 | A0218545B | APL5 | A0220693H | AWS1 | A0222807J | AWS2 | A0230090X | AWS3 |
| A0217978J | APL2 | A0218549U | APL5 | A0220750U | AWS1 | A0222853H | APL1 | A0230101L | BPL5 |
| A0217991U | APL2 | A0219607B | APL5 | A0220761N | AWS1 | A0223111E | AWS2 | A0230339L | AWS3 |
| A0218016N | APL2 | A0219668M | APL5 | A0220973E | AWS1 | A0223130A | AWS2 | A0230552R | AWS3 |
| A0218024R | APL2 | A0219673W | APL6 | A0221094N | AWS1 | A0223153U | APL1 | A0230556J | AWS3 |
| A0218082J | APL2 | A0219695M | APL6 | A0221167M | APL3 | A0223222Y | AWS3 | A0230616N | AWS3 |
| A0218087Y | APL2 | A0219700M | APL6 | A0221245U | AWS1 | A0223449A | AWS3 | A0230619J | AWS3 |
| A0218109J | APL2 | A0219710L | APL6 | A0221404Y | AWS1 | A0223486B | AWS3 | A0230667A | APL1 |