**CMPG 121 – Structured Programming**

**Work schedule 2018**

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| **Week** | **Date** | **Topic** | **Study Guide** | **Textbook** |
| 1 | 18/07/2018 | Introduction  Input, processing, output | Unit 1 | Chapter 1 |
| 1 | 20/07/2018 | From Python to C/C++  Variables, Memory, Data types and numerical operation | Unit 1 | Chapter 2 |
| 2 | 25/07/2018 | Mathematical functions, Casting | Unit 1 | Chapter 2 |
| 2 | 27/07/2018 | Control Statements: (if statements ) | Unit 1 | Chapter 3 |
| 3 | 1/08/2018 | Control Statements: (compound if statements) | Unit 1 | Chapter 1, 2 and 3 |
| 3 | 3/08/2018 | Problem solving : compound if statements  Control Statements: (For Loop) | Unit 1 | Chapter 3, 4 |
| 4 | 8/08/2018 | **Written Test** **1**  Loops cont. | Test:  Unit 1 | Chapter 1, 2, 3, 4 (For)  Chapter 4 (cont.) |
| 4 | ~~10/08/2018~~  14/08/2018 (Tuesday) | **Practical Test 1** | Unit 1 | Chapter 1, 2, 3, 4 (For) |
| 5 | 15/08/2018 | Control Statements: (while, do.. while loop) | Unit 1 | Chapter 4 |
| 5 | 17/08/2018 | Problem solving with loops and if statements | Unit 1 | Chapter 1, 2, 3, 4 |
| 6 | 22/08/2018 | **Written Test 2**  Arrays (Intro) | Unit 1  Unit 2 | Chapter 4  Chapter 5 |
| 6 | 24/08/2018 | Arrays (cont.) | Unit 2 | Chapter 5 |
| 7 | 29/08/2018 | Arrays (cont.) | Unit 2 | Chapter 5 |
| 7 | 31/08/2018 | Problem solving with arrays, loops and if statements | Unit 2 | Chapter 5 |
| 8 | 5/09/2018 | **Written test 3**  Structures (Introduction) | Unit 2 | Chapter 4, 5  Chapter 11 |
| 8 | 7/09/2018 | Struct (cont.) | Unit 2 | Chapter 4,5,11 |
| 9 | 12/09/2018 | Strings and text | Unit 2 | Chapter 11 |
| 9 | 14/09/2018 | Strings and text | Unit 3 | Chapter 6 |
| 10 | 19/09/2018 | **Written Test 4**  Pointers | Unit 4 | Chapter 11 |
| 10 | **Test week 20 – 29 Sept.** | **Practical Test 2** |  |  |
|  | 30/09/2018 – 7/10/2018 | **Reses** |  |  |
| 11 | 10/10/2018 | Pointers  Functions | Unit 4,5 | Chapter 9, 10, 11 |
| 11 | 12/10/2018 | Functions  Text files | Unit 4,5 | Chapter 9, 10, 12 |
| 12 | 17/10/2018 | Functions  Text filesand strings | Unit 4,5 | Chapter 6, 9, 10, 12 |
| 12 | 19/10/2018 | **Practical Test 3** |  |  |
| 13 | 24/10/2018 | Revision |  |  |