

HELP UNIVERSITY  
Faculty of Computing and Digital Technology  
School of Information and Communication Technology

Bachelor of Information Technology (Hons) (HUBIT)  
Bachelor of Information Technology (Hons) Data Analytics (HUBDA)  
Bachelor of Computer Science (Hons) (HUBCS)  
Diploma in Information Technology (HUDT3)

SEMESTER 3, 2023  
HUS2  
28 August 2023 to 16 December 2023

With effect from Week 1, 28/08/2023

|           |   |   |      |      |   |   |   |       |   |  |   |  |  |   |      |  |  |   |      |      |  |      |  |
|-----------|---|---|------|------|---|---|---|-------|---|--|---|--|--|---|------|--|--|---|------|------|--|------|--|
| Monday    | Time  | 8.00  | 9.00 | 9.30 | 10.00                                     | 10.30   | 11.00   | 11.30 | 12.00   | 12.30  | 1.00  | 1.30   | 2.00   | 2.30  | 3.00 | 3.30   | 4.00   | 4.30  | 5.00 | 5.30 |  |      |  |
|           | Venue   | 8.30  |      |      |   | 9.30  |   | 10.30 |   | 11.30  |   | 12.30  |  | 1.30  |      | 2.30   |  | 3.30  |      | 4.30 |  | 5.30 |  |
|           | BLH2.2  | DIP201/DIP108 Tutorial<br>Mr Kok Chye Hock          |      |      |   |   | DIP1PRG11 / DIP101 Lecture<br>Ms Naline Shanmugam   |       |   |  |   | BIT310/BMC307 Lecture<br>Mr Sugindran                  |  |   |      |  | BCS302 Tutorial<br>Dr Aaron Aw   |   |      |      |  |      |  |
|           | ALH2.5  | BIT301 Lecture<br>Ms Seetha                         |      |      |   |   | DIP224 Tutorial<br>Ms Umi Najiah Binti Ahmad Razimi |       |   |  |   | BIT101/DIP105/DIP200 Lecture<br>Mr Winson Koon Kim Peh |  |   |      |  | BIT107/DIP206 Lecture<br>Mr Winson Koon Kim Peh  |   |      |      |  |      |  |
|           | ALH2.6  | BIT208 Lecture (E)<br>Dr Abdul Qayoom               |      |      |   |   | BIT103 Tutorial<br>Ms Nur Intan Adhani              |       |   |  |   |  |  |   |      |  | DIP209/DIPMPR01 Tutorial<br>Ms Nur Intan Adhani  |   |      |      |  |      |  |
|           | FLH2.7  | BIT212 Lecture (E)<br>Mr Winson Koon Kim Peh        |      |      |   |   | BIT203 Tutorial<br>Mr Kok Chye Hock                 |       |   |  |   | BDA205 Lecture<br>Ms Umi Najiah Binti Ahmad Razimi     |  |   |      |  |  |   |      |      |  |      |  |
|           | Digital Maker Hub   |   |      |      |   |   | (MPU3113) Virtual class (11 to 1)                   |       |   |  |   |  |  |   |      |  | (MPU3183) GROUP C* Venue: Multipurpose Hall (EMPH) (3 to 5)  |   |      |      |  |      |  |
| MPUs      | (MPU3373) A* Gen Careers (GROUP A)* Virtual class (8 to 10) |   |      |      |   |   |   |       |   |  | (MPU3213) (GROUP A)* Venue: ALH2.6, BLK A, LVL2 (11 to 1) |  |  |   |      | MPU3183 GROUP A* Venue: ALH2.6, BLK A, LVL2 (3 to 5) |  |   |      |      |  |      |  |
|           |   |   |      |      |   | (MPU2133) Virtual class (11 to 1)                         |   |       |   |  |   |  |  |   |      | (MPU2163) Virtual class (3 to 5)                     |  |   |      |      |  |      |  |
|           |   |   |      |      |   | (MPU3173) Virtual class (11 to 1)                         |   |       |   |  |   |  |  |   |      |  |  |   |      |      |  |      |  |
| Tuesday   | Time  | 8.00  | 9.00 | 9.30 | 10.00                                     | 10.30   | 11.00   | 11.30 | 12.00   | 12.30  | 1.00  | 1.30   | 2.00   | 2.30  | 3.00 | 3.30   | 4.00   | 4.30  | 5.00 | 5.30 |  |      |  |
|           | Venue   | 8.30  |      |      |   | 9.30  |   | 10.30 |   | 11.30  |   | 12.30  |  | 1.30  |      | 2.30   |  | 3.30  |      | 4.30 |  | 5.30 |  |
|           | BLH2.2  |   |      |      |   | BDA306 Tutorial<br>Mr Manibelen Ratnasamy                 |   |       |   |  |   |  |  | BIT210/DIP224 Lecture (E)<br>Ms Umi Najiah Binti Ahmad Razimi   |      |  |  |   |      |      |  |      |  |
|           | ALH2.5  | BCS302 Lecture<br>Dr Aaron Aw                       |      |      |   |   |   |       |   |  |   |  |  | BDA203 Lecture (E)<br>Mr Manibelen Ratnasamy                    |      |  |  | BIT304 Lecture<br>Mr Manibelen Ratnasamy            |      |      |  |      |  |
|           | ALH2.6  |   |      |      |   |   |   |       |   | BIT303 Lecture<br>Ms Anitha Velayutham                                   |   |  |  | DIP1PRG11 / DIP101 Tutorial 2 (infoline)<br>Ms Naline Shanmugam |      |  |  |   |      |      |  |      |  |
|           | FLH2.7  | BIT103 / DIP203 Lecture<br>Ms Nur Intan Adhani      |      |      |   |   |   |       |   |  |   |  |  | BIT101 Tutorial<br>Mr Winson Koon Kim Peh                       |      |  |  | BIT110 / DIP208 Lecture<br>Dr Abdul Qayoom          |      |      |  |      |  |
|           | Digital Maker Hub   | BDA205 Tutorial<br>Ms Umi Najiah Binti Ahmad Razimi |      |      |   | BIT208 Tutorial (E)<br>Dr Abdul Qayoom                    |   |       |   |  |   |  |  |   |      |  |  |   |      |      |  |      |  |
| MPUs      | (MPU2263/GEN2513) Virtual class (8 to 10)                   |   |      |      |   |   |   |       | (MPU2193) Venue: DLH3.3, BLK D, LVL3 (11 to 1)                                      |  |   |  |  |   |      |  | (MPU3193) Group A* Venue: DLH3.3, BLK D, LVL3 (3 to 5)<br>(MPU3193) Group C** Venue: Multipurpose Hall (EMPH) (3 to 5) |   |      |      |  |      |  |
| Wednesday | Time  | 8.00  | 9.00 | 9.30 | 10.00                                     | 10.30   | 11.00   | 11.30 | 12.00   | 12.30  | 1.00  | 1.30   | 2.00   | 2.30  | 3.00 | 3.30   | 4.00   | 4.30  | 5.00 | 5.30 |  |      |  |
|           | Venue   | 8.30  |      |      |   | 9.30  |   | 10.30 |   | 11.30  |   | 12.30  |  | 1.30  |      | 2.30   |  | 3.30  |      | 4.30 |  | 5.30 |  |
|           | BLH2.2  | BIT306 Tutorial<br>Dr Abdul Qayoom                  |      |      |   | BGM101/ DIP211 Tutorial (E)<br>Ms Nur Intan Adhani        |   |       |   | MPU3432 - Group A*<br>MPU3432 - Group C* Venue: Multipurpose Hall (EMPH) |   |  |  | DIP103/ DIP1SAD01 Lecture<br>Ms Naline Shanmugam                |      |  |  |   |      |      |  |      |  |
|           | ALH2.5  | DIP203 Tutorial<br>Ms Nur Intan Adhani              |      |      |   | BIT104/ DIP207 Tutorial (E)<br>Mr Kok Chye Hock           |   |       |   | MPU2422 Venue: HLT1.7, BLK H LVL 1                                       |   |  |  | BDA206 Tutorial<br>Mr Manibelen Ratnasamy                       |      |  |  | BIT304 Tutorial<br>Mr Manibelen Ratnasamy           |      |      |  |      |  |
|           | ALH2.6  | BIT108 Tutorial<br>Mr Kok Chye Hock                 |      |      |   | BIT201 Tutorial<br>Mr Sugindran                           |   |       |   |  |   |  |  | BIT203 Lecture<br>Mr Kok Chye Hock                              |      |  |  |   |      |      |  |      |  |
|           | FLH2.7  | BIT216 Tutorial<br>Ms Seetha                        |      |      |   | BIT301 Tutorial<br>Ms Seetha                              |   |       |   |  |   |  |  | BIT107/DIP206 Lecture<br>Mr Winson Koon Kim Peh                 |      |  |  |   |      |      |  |      |  |
|           | Digital Maker Hub   |   |      |      |   | DIP105 Tutorial<br>Mr Winson Koon Kim Peh                 |   |       |   |  |   |  |  |   |      |  |  | BIT106 Tutorial<br>Ms Umi Najiah Binti Ahmad Razimi |      |      |  |      |  |
| MPUs      | (MPU3143) Virtual class (8 to 10)                           |   |      |      |   |   |   |       | MPU3373 A* Gen Careers (GROUP B)* Virtual class (9 to 11)                           |  |   |  |  |   |      |  |  |   |      |      |  |      |  |
| Thursday  | Time  | 8.00  | 9.00 | 9.30 | 10.00                                     | 10.30   | 11.00   | 11.30 | 12.00   | 12.30  | 1.00  | 1.30   | 2.00   | 2.30  | 3.00 | 3.30   | 4.00   | 4.30  | 5.00 | 5.30 |  |      |  |
|           | Venue   | 8.30  |      |      |   | 9.30  |   | 10.30 |   | 11.30  |   | 12.30  |  | 1.30  |      | 2.30   |  | 3.30  |      | 4.30 |  | 5.30 |  |
|           | BLH2.2  | BDA100/DIP106 Lecture<br>Dr Aaron Aw                |      |      |   | BIT306 Lecture<br>Dr Abdul Qayoom                         |   |       |   | BIT212 Tutorial (E)<br>Mr Winson Koon Kim Peh                            |   |  |  | BIT107 Tutorial<br>Mr Winson Koon Kim Peh                       |      |  |  |   |      |      |  |      |  |
|           | ALH2.5  | BGM101/ DIP211 Lecture (E)<br>Ms Nur Intan Adhani   |      |      |   | BIT106/DIP215 Lecture<br>Ms Umi Najiah Binti Ahmad Razimi |   |       |   | DIP103/ DIP1SAD01 Tutorial 1<br>Ms Naline Shanmugam                      |   |  |  | DIP103/ DIP1SAD01 Tutorial 2 (infoline)<br>Ms Naline Shanmugam  |      |  |  |   |      |      |  |      |  |
|           | ALH2.6  | BIT303 Tutorial<br>Ms Anitha Velayutham             |      |      |   | BIT216 Lecture<br>Ms Seetha                               |   |       |   |  |   |  |  | BIT104/ DIP207 Lecture (E)<br>Mr Kok Chye Hock                  |      |  |  |   |      |      |  |      |  |
|           | FLH2.7  | BDA206 Lecture<br>Mr Manibelen Ratnasamy            |      |      |   |   |   |       |   |  |   |  |  | DIP209/DIP1MPR01 Lecture<br>Ms Nur Intan Adhani                 |      |  |  |   |      |      |  |      |  |
|           | Digital Maker Hub   |   |      |      |   | DIP1PRG11 / DIP101 Tutorial 1<br>Ms Naline Shanmugam      |   |       |   | RMA001 Lecture<br>Kok Chye Hock  |   |  |  |   |      |  |  |   |      |      |  |      |  |
| MPUs      | (MPU3263/GEN3513) Venue: Multipurpose Hall (EMPH)           |   |      |      |   |   |   |       | (MPU2213) Venue: ALH2.5, BLK A, LVL2 (11 to 1)<br>(MPU2313) Virtual class (11 to 1) |  |   |  | (MPU3123) Virtual class (3 to 5)<br>(MPU3373) A* Gen Careers (GROUP C)** |   |      |  |  |   |      |      |  |      |  |
| Friday    | Time  | 8.00  | 9.00 | 9.30 | 10.00                                     | 10.30   | 11.30   | 12.30 | 1.00  | 1.30   | 2.00  | 2.30   | 3.00   | 3.30  | 4.00 | 4.30   | 5.00   | 5.30  |      |      |  |      |  |
|           | Venue   | 8.30  |      |      |   | 9.30  |   | 11.30 |   | 12.30  |   | 1.30   |  | 2.30  |      | 3.30   |  | 4.30  |      | 5.30 |  |      |  |
|           | BLH2.2  | BDA100 Tutorial<br>Dr Aaron Aw                      |      |      |   | DIP106 Tutorial<br>Dr Aaron Aw                            |   |       |   | <div></div>  |   |  |  | BIT108/DIP201/DIP108 Lecture<br>Mr Kok Chye Hock                |      |  |  |   |      |      |  |      |  |
|           | ALH2.5  | DIP215 Tutorial<br>Ms Umi Najiah Binti Ahmad Razimi |      |      |   | BIT210 Tutorial (E)<br>Ms Umi Najiah Binti Ahmad Razimi   |   |       |   |  |   |  |  | BIT201 Lecture<br>Mr Sugindran                                  |      |  |  |   |      |      |  |      |  |
|           | ALH2.6  |   |      |      |   | BDA203 Tutorial (E)<br>Mr Manibelen Ratnasamy             |   |       |   |  |   |  |  | DIP208 Tutorial<br>Dr Abdul Qayoom                              |      |  |  |   |      |      |  |      |  |
|           | FLH2.7  |   |      |      |   | BIT110 Tutorial<br>Dr Abdul Qayoom                        |   |       |   |  |   |  |  | BDA306 Lecture<br>Mr Manibelen Ratnasamy                        |      |  |  |   |      |      |  |      |  |
|           | Digital Maker Hub   | RMA001 Tutorial<br>Kok Chye Hock                    |      |      |   | BIT310/BMC307 Tutorial<br>Mr Sugindran                    |   |       |   |  |   |  |  |   |      |  |  |   |      |      |  |      |  |
| DLH3.3    |   |   |      |      | DIP206 Tutorial<br>Mr Winson Koon Kim Peh |   |   |       |   |  |   |  |  |   |      |  |  |   |      |      |  |      |  |

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| <b>Lecturers</b><br>Dr Aaron Aw Teik Hong (aaron.aw@help.edu.my) (AA)<br>Dr Abdul Qayoom (abdul.qayoom@help.edu.my) (AQ)<br>Ms Umi Najiah Binti Ahmad Razimi (uminajiah.ar@help.edu.my) (UN)<br>Ms Nur Intan Adhani (nurintan.a@help.edu.my) (NIA)<br>Mr Manibelen Ratnasamy <manibelen.r@help.edu.my> (MR)<br>Mr Sugindran (sugindran.rk@help.edu.my) (SK) | <b>Lecturers</b><br>Ms Anitha Velayutham (anithav@help.edu.my) (AV)<br>Ms Seetha Letchumi (seethal@help.edu.my) (SL)<br>Mr Kok Chye Hock (kokch@help.edu.my) (KCH)<br>Ms Naline Shanmugam (nalines@help.edu.my) (NS)<br>Mr Koon Kim Peh (kp.koon@help.edu.my) (KKP) |
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**Classrooms**

BLH2.2 computer lab  
ALH2.5  
ALH2.6  
FLH2.7  
Digital Maker Hub

Approved By:

Mr Steven Yong  
Head of Department  
Faculty of Computing and Digital Technology

IT SUBJECTS LIST

| Diploma Level 1 |                    |  | Diploma Level 2 & Degree Year 1 |                          |  |
|-----------------|--------------------|--|---------------------------------|--------------------------|--|
| NS              | DIP1PRG11 / DIP101 | Introduction to Visual Programming                                 | NIA                             | DIP209/DIP1MPR01         | IT Mini Project  |
| NS              | DIP1SAD01 / DIP103 | Introduction to Analysis & Design                                  | NIA                             | DIP211/BGM101            | Interactive Media Applications   |
| KKP             | DIP105             | ction to Information Technology / Introduction to Computer Archite | UN                              | DIP215/BIT106            | Object-Oriented Programming  |
| UN              | DIP106             | Introduction to Programming / Programming Principles               | UN                              | DIP224/BIT210            | Advanced Web Development   |
| KCH             | DIP108             | Computing Mathematics  | AA                              | BDA100 / DIP106          | Introduction to Programming / Programming Principles                           |
| KCH             | RMA001             | Reinforcement Maths I  | KKP                             | BIT101 / DIP200 / DIP105 | Introduction to Information Technology / Introduction to Computer Architecture |
|                 |                    |  | NIA                             | BIT102/DIP204/DIP107     | Fundamentals of Web Development  |
|                 |                    |  | NIA                             | BIT103 / DIP203          | Introduction to Database Systems / Database Concepts and Practices             |
|                 |                    |  | KCH                             | BIT104/ DIP207           | Calculus and Linear Algebra  |
|                 |                    |  | KKP                             | BIT107 / DIP206          | Data Communications and Networking / Data Communications                       |
|                 |                    |  | KCH                             | BIT108 / DIP201 / DIP108 | Application Mathematics in IT/ Computing Mathematics                           |
|                 |                    |  | AQ                              | BIT110 / DIP208          | Introduction to Operating Systems / Fundamental of Operating Systems           |
| Degree Year 2   |                    |  | Degree Year 3                   |                          |  |
| SK              | BIT201             | Systems Architecture and Design                                    | AA                              | BCS302                   | Cyber Defence & Ethical Hacking  |
| KCH             | BIT203             | Advanced OO Programming  | MR                              | BDA306                   | Data Mining and Machine Learning   |
| AQ              | BIT208             | Data Structures and Algorithms                                     | SL                              | BIT301                   | IT Project Management  |
| KKP             | BIT212             | Cloud Computing  | AV                              | BIT303                   | Computer Ethics and Cybersecurity  |
| SL              | BIT216             | Software Engineering Principles                                    | MR                              | BIT304                   | Final Year Project I   |
| MR              | BDA203             | Advanced Database Systems  | MR                              | BIT305                   | Final Year Project II  |
| UN              | BDA205             | Statistics and Data Visualization                                  | AQ                              | BIT306                   | Web Technologies   |
| MR              | BDA206             | Enterprise Data Infrastructure                                     | SK                              | BIT310                   | Business Development Project / Business Plan Development                       |

|                   |  |
|-------------------|--|
| CONTACT HOURS     | LECTURE/CONSULTATION: 3 HOURS TUTORIAL : 1.5 HOURS LAB: 2 HOURS                        |
| COMMENCEMENT DATE | LECTURE (Lecture) AND LAB - 1st WEEK ONWARDS<br>TUTORIAL (Tutorial) - 2nd WEEK ONWARDS |

**Note:**

- Students are required to attend 1 lecture & 1 tutorial or lab classes per week.
- Registration will be closed earlier once the class is full.
- Registration Period: 24 August 2023 - 08 September 2023  
Subject Add/Drop Period: 24 August 2023 - 08 September 2023  
Last Date of Subject Fee Payment: 08 September 2023, Friday  
Final Exam Period: TBC
- Students are prohibited to change the lecture or tutorial classes within the semester.