

MUF0052 ICT Unit 2: Programming, Database and Data Science

Subject Learning Outcomes

SLO1: Create an efficient relational database for a specified content.

SLO2: Analyse data set to solve business problems.

SLO3: Demonstrate the programming techniques and testing strategies by developing a programming solution

| Timeline | Content | Assessment |
|---|--|--|
| Study Area 1: Database | | |
| Week 1: 16 Jul – 20 July 2018 | Introduction To Database Management Systems | |
| Week 2: 23 Jul – 27 July 2018 | Database Design (SLO1) | |
| Week 3: 30 Jul – 3 Aug 2018 | Database Development (SLO1) | |
| Week 4: 6 Aug – 10 Aug 2018 | Relational Database (SLO1) | |
| Week 5: 13 Aug – 17 Aug 2018 | Project Stages (SLO1) | Assessment Task 1 – Practical Assignment (20%) In Class Assessment: 13 Aug to 17 Aug 2018 |
| Study Area 2: Data Science | | |
| Week 6: 20 Aug – 24 Aug 2017 Hari Raya Qurban : 22 Aug 2018 | Introduction to Data Science (SLO2) | |
| Week 7: 27 Aug – 31 Aug 2018 National Day: 31 August 2018 | Supporting Hypothesis (SLO2) | |
| Week 8: 3 Sept – 7 Sept 2018 | Assessment Task (SLO2) | Assessment Task 1 – Group Project (20%) In Class Assessment: 3 Sept – 7 Sept 2018 |
| Study Area 3: Programming | | |
| Week 9: 10 Sept – 14 Sept 2018 Yang Di-Pertuan Agong's Birthday: 10 Sept 2018 Awal Muharam : 11 Sept 2018 | Introduction to Programming (SLO3) | |
| Week 10: 17 Sept – 21 Sept 2018 Malaysia Day: 17 Sep 2018 | Processing features (SLO3) | |
| Week 11: 24 Sep – 28 Sept 2018 | Data Structures, Validation and Testing (SLO3) | |
| Week 12: 1 Oct – 6 Oct 2018 | Design Development (SLO3) | Task 3a - Written test (10%) Test date: 5 Oct 2018 |
| Week 13: 8 Oct – 12 Oct 2018 | Assessment Task (SLO3) | Task3b – Practical Assignment (10 %) In Class Assessment: 8 Oct – 12 Oct 2018 |
| Week 14: 15 Oct – 26 Oct 2016 | Exam revision (SLO1, SLO2, SLO3) | Participation (10%) |