MUF0051 ICT Unit 1: Introduction to Computing and Programming

Subject Learning Outcomes  
SLO1: Apply the knowledge of hardware, software, networks and programming concepts in Information and Communication Technology (ICT).

SLO2: Analyse data meaningfully using various applications.

SLO3: Create a fully functioning programme application to address specific context and purpose.

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| **Timeline** | **Content** | **Assessment** |
| **Study Area 1: Data to information** | | |
| Week 1: 23-26 Jan 2018 | Spreadsheet software  (SLO1, SLO2) |  |
| Week 2: 29 Jan - 2 Feb 2018 | Data to information  (SLO1. SLO2) |  |
| Week 3: 5-9 Feb 2018 | Data collection  (SLO1, SLO2) |  |
| Week 4: 12-23 Feb 2018  *CNY break: 14-20 Feb 2018* | Presenting information  (SLO1, SLO2) |  |
| Week 5: 26 Feb-2 Mar 2018 | Data analysis project  (SLO1, SLO2) |  |
| **Study Area 2: Programming** | | |
| Week 6: 5-9 Mar 2018 | Scratch programming  (SLO1, SLO3) | Task 1 - Data analysis task (20%)  Submission: 6 Mar 2018 |
| Week 7: 12-16 Mar 2018  *Mid sem break: 19-23 Mar 2018* | Project stages  (SLO1, SLO3) |  |
| Week 8: 26-30 Mar 2018 | Programming project  (SLO1, SLO3) |  |
| **Study Area 3: Digital systems** | | |
| Week 9: 2-6 Apr 2018 | Film editing software  (SLO1) | Task 2 - Programming project (20%)  Submission: 3 Apr 2018 |
| Week 10: 9-13 Apr 2018 | Hardware and software  (SLO1) |  |
| Week 11: 16-20 Apr 2018 | Networks  (SLO1) |  |
| Week 12: 23-27 Apr 2018 | Cloud computing  (SLO1) |  |
| Week 13: 30 Apr-4 May 2018 | Group film project  (SLO1) | Task 3a - Written test (10%)  Test date: 2 May 2018 |
| Week 14 & 15: 7-18 May 2018 | Exam revision | Task 3b - Group film project (10%)  Submission: 9 May 2018  Participation (10%) |