**Week 1:**

**CS1701:**

Introduction to the course and expectations.

**CS1702:**

Introduction to the course and expectations.

**CS1005:**

Introduction to the course and expectations as well as some information regarding binary.

**CS1703:**

Introduction to the course and expectations as well as some information on data its scope and how it is used.

**CS1004:**

Introduction to the course and expectations as well as some an introduction to systems, information systems, computer and algorithms.

**Week 2:**

**CS1701:**

Introduction to project management and familiarisation with network diagrams and how they are useful.

Introduction to Gantt charts and workflow during lab session.

**CS1702:**

Introduction to programming and java in general as well as some information in object oriented programming.

Introduction to the eclipse workspace and familiarisation with it during the lab session.

**CS1005:**

Introduction to logical concepts such as the Turing machines and how binary addition works.

Following algorithms and working through binary addition in the lab session.

**CS1703:**

Learnt about methods of data collection.

Learnt how to use basic functions of SPSS software in the lab and during quiz 1-1

**CS1004:**

Learnt about systems and how they work.

**Week 3:**

**CS1701:**

Introduction to the process of software development and the group project task.

Started the intro to the group project task in the lab.

**CS1702:**

Introduction to variables and comments in java.

Started to use a few lines of code on the finch to change the led colour and brightness in the lab.

**CS1005:**

Learnt about automated machines and state transition tables.

Completed a worksheet on state transition tables in the lab.

**CS1703:**

Learnt how to prepare collected data for analysis.

Completed quiz 1-2 and 1-3 in the lab.

**CS1004:**

High level system operations and how data changes over time as well as relations between tables in a database.

**Week 4:**

**CS1701:**

Introduction to flow charts and how they work.

Made a selection of flow charts of given tasks.

**CS1702:**

Introduction to conditional statements in java.

Practiced conditional statements.

**CS1005:**

Learnt about finite state machines and their transition tables.

Completed a worksheet on finite state machines.

**CS1703:**

Learnt about the skew and distribution of data.

Completed quiz 1-4.

**CS1004:**

Learnt about requirements and use cases.

**Week 5:**

**CS1701:**

Introduction to pseudo code.

Completed some programming tasks in pseudo code.

**CS1702:**

Introduction to loops in java.

Practised loops in java and how to use them to control the finch.

**CS1005:**

Learnt about TMs and HTMs and touched on compilers and interpreters.

Learned how to design Turing function tables and algorithms.

**CS1703:**

Learnt about cause and correlation and how to analyse the difference.

Completed quiz 1-5.

**CS1004:**

Learnt about extended use cases and planning for every possible outcome for a use case.

**Week 6:**

**CS1701:**

Learnt about group management.

Started practicing for assignment 0 (using two finches in eclipse).

**CS1702:**

Learnt about object oriented programming and arrays.

Practised using arrays.

**CS1005:**

Learnt about lists and sets.

Practiced standard set notation.

**CS1703:**

Learnt about Pearson r and Spearman’s rho test.

Completed quiz 1-7.

**CS1004:**

Lecture given about ASK week.

**Week 8:**

**CS1701:**

Working on assignment 0.

**CS1702:**

Learnt about functions and methods.

Practiced using functions and methods.

**CS1005:**

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**CS1703:**

Learnt about entity relationships.

Completed quiz 3-1.

**CS1004:**

Learnt about UML diagrams to represent entity relationships.

**Week 9:**

**CS1701:**

Working on assignment 0.

**CS1702:**

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**CS1005:**

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**CS1703:**

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**CS1004:**

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