DATA ANALYTICS REFERENCE DOCUMENT	
Document Title:	51308 - Computer Architecture and Technology convergence module Summary
Document No.:	1541582709
Author(s):	Gerhard van der Linde
Contributor(s):	

REVISION HISTORY

Revision	Details of Modification(s)	Reason for modification	Date	By
0	Draft release	Computer Architecture and Technology convergence module Summary	2018/11/07 09:25	Gerhard van der Linde

51308 - Computer Architecture

51308 PDF Summaries here

Week 2

History of computing and the Von Neumann architecture

02a_history_of_computing_and_the_von_neumann_architecture.pdf

The CPU

Week 3

The Motherboard

Memory

Input and Output

Week 4

Graphics

Other PC Components

pci-express-pcie-2625962

Number Systems and Binary Intro

Decimal Binary Hex Conversion

Counting Using Various Number Systems

Homework Week 4

Week 5

Binary Arithmetic

Logic Gates

Real Numbers - Binary Representation

Circuits

Week 6

Computer Language Evolution

Computer Program Translation

which-programming-language-should-i-learn-first-pdf

Week 7

Recap and Abstraction

Firmware and BIOS

The Operating System

OS Scheduling

Process Scheduling

scheduling

OS Memory Management

Week 8

OS - Other Services

Dining philosophers problem

view

OS Structure and Virtual Machines

Linux Intro

Linux Shell Part 1

Week 9

Linux Shell Part 2

09bOS File Systems and Linux Installation

Linux File System Structure

Homework - Linux Intro

Week 10

Linux File Permissions

Linux Shell Part 3

Linux Shell Part 4

Week 11

Technology Convergence

Infrastructure Part 1

Infrastructure Part 2

Week 12

Infrastructure Part 3

Algorithms

From:
http://hdip-data-analytics.com/ - **HDip Data Analytics**

Permanent link:
http://hdip-data-analytics.com/modules/51308?rev=1592663981

Last update: **2020/06/20 14:39**