

**Bachelor of Information Technology**

**Diploma in Information Technology**

**Faculty of Business and Information Technology**

***IT5x89 – Introduction to Operating Systems***

**Assignment**

Semester 1, 2017

**Part One Due:** Friday 17th March **Complete Assignment Due:** Friday 7th April

**Total Marks:** 25 marks

This is an individual assignment.

**Part One** is to be completed in the designated Moodle Forum

**Complete Assignment** is to be submitted in a Moodle TurnItIn Dropbox provided.

**Learning Outcomes covered:**

1. Identify the components of information technology.

2. Describe the evolutionary path of operating systems.

3. Describe the background and underlying principles of operating systems.

**Topics for this Assignment**

● **Components of Information Technology**

In this context, the components can include:

● Hardware

● System and Application software

● Data

● Procedures

● People

**● Evolution of Operating Systems**

**● Background and underlying principles of operating systems**

**Part One**

You are required to find a reference from the Internet, that describes an aspect of either the evolution, background, or underlying principles of operating systems, in terms of the components of information technology.

Look in the **Assignment – Part One** Forum on Moodle

When you have found a reference you like, check in the **Assignment – Part One** Forum on Moodle that the article, or one very similar to it, is not already there. If no one else has used that article, create a new discussion, and paste a link to the article in the forum.

You then have until the due date, to submit a summary of between 100 to 300 words describing the content of the reference. Your description should:

**●** Summarise how the article relates to either the **evolution**, **background**, or **underlying principles** of operating systems. **The summary must not be copied from the article. It must be entirely in your own words.**

● Describe how the article refers to the components of information technology, listed above.

**Part Two**

You are required to write a report, in the format specified below, covering the topics for this assignment.

Your report must compare and contrast at least two operating systems.

● One from: Microsoft Windows, Apple OSx, Apple iOS

● One from any other version or derivative of Unix, which could be Android or a specific

Linux distribution.

Your report must consider at least three of the five components of information technology listed above. You should clearly name the components you are considering, and describe the common background and underlying principles of your chosen operating systems in terms of the components, and describe where the underlying principles diverge.

Having established the background of your chosen operating systems, your report should then describe the evolution of those operating systems, in terms of the components of information technology.

Note that you can chose to use any, or no, references from Part One of the assignment in your report. You can use other people’s references if you choose. You will get higher marks for references from a variety of sources, particularly academic web sites and publications. Your report should also comment on how reliable you consider the reference sources to be.

For submission, please present your writing in an academic writing style, consisting of the following:

­ Cover Page

­ Executive Summary

­ Table of Contents

­ Introduction

­ Contents

­ Conclusion

­ List of references (sources you have used in the report)

­ Bibliography (other sources you have researched, but not referenced directly)

­ Appendices (if any)

Please employ the following guides:

|  |  |  |
| --- | --- | --- |
| ­ | Font size | : 12 points |
| ­ | Font type | : Times New Roman |
| ­ | Line spacing | : 1.5 |
| ­ | Style of referencing | : APA v6 |
| ­ | Report length | : 2000 – 3000 words (contents only) |

Please note the definition of plagiarism from the course outline.

**Late Submission Process**

If this assessment is not handed in by the due date a mark of zero will be recorded. See the Opportunities for Further Assessment section in the IT Student Handbook for the process to apply for a further assessment.

|  |  |
| --- | --- |
| **Items** | **Marks** |
| Part One  ­ summary links reference to Topics as required. Summary is in your own words. | 5 |
| Part Two Content  ­ quality of content  Use of theory to support requirements;  depth; originality)  ­ effective conclusion  Part Two Communication and presentation  ­ conciseness  ­ flow  ­ acceptable spelling and grammar  ­ professional layout and presentation  ­ correct, quality, referencing | 10  4  6 |
|  | 25 |

‐‐ THE END ‐‐