

# COMP12111 notes

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Note, extra space has been allocated for the right hand margin to allow for more extensive margin notes. Also, it gives you space to make your own annotations and perhaps try some problems of your own.

## **Contents**

# Introduction

Unlike many of the courses, the university supplied notes for this course are of a very high quality. This is especially true of the notes covering the first half of the course (weeks one through six). In light of this, I've decided not to write notes on the first half, but concentrate solely on the second half of the course. However, it is likely that I will produce other resources such as summary notes or flashcards for the whole of the course.

## 1 The three box model

The three box model describes the classic model of a computer. The three boxes consist of the CPU, the memory and I/O.

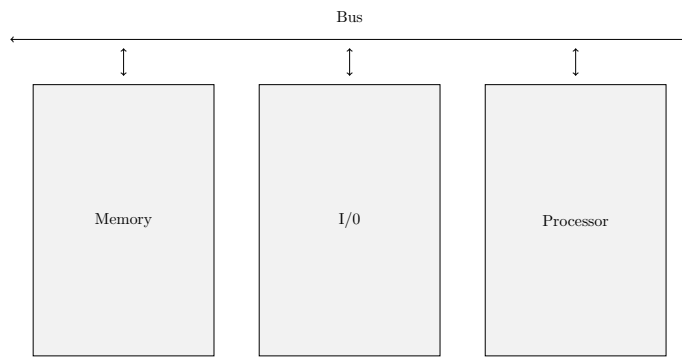


Figure 1: An example of the three box model