Faculty of Science, Engineering and Technology



**Introduction to Programming**

Distinction Task 8.3: Food Hunter

# Principles question and answer sheet.

**Write up to one page (maximum 500 words) addressing the following question:**

During this course we have covered some design principles for programming. These include:

* Coupling
* Cohesion
* Information hiding
* Modular design

Among others.

Compare and contrast how at least two (2) of the structured programming principles we have covered relate to theory and practice of object-oriented programming. i.e what are the similarities and/or differences between structured programming and object-oriented programming in relation to at least 2 design principles,

**Answer:**

The main difference between structured programming and object-oriented programming is that you don’t have encapsulation, inheritance, or polymorphic behavior in structured programming. Structured programming follows a top-down approach whereas object-oriented programming follows a bottom-up approach. This means that a structured program decomposes the large task into smaller subtasks whereas an object-oriented program chooses to solve the different fundamental parts of the task directly then combine those parts into a whole program.

End of Task.