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 primary distinction between structured programming and object-oriented programming is that structured programming lacks encapsulation, inheritance, and polymorphic behavior. Structured programming is done from the top down, whereas object-oriented programming is done from the bottom up. This indicates that a structured program divides a huge work into smaller subtasks, but an object-oriented program chooses to tackle the various basic elements of the task directly before combining those pieces into a full program.

End of Task.