

清華大學 電機工程學系

107 學年度第一學期

EE-2310 計算機程式設計 (Introduction to Programming)

**Homework #1 (佔學期總成績 3 分)**

**(每人一組) Due on Oct. 4, 2018 @ the 2<sup>nd</sup> Lab Session**

**Late Homeworks will NOT be accepted !**

1. Write a C++ program to solve the following computing problem.

(Problem):

- (1) Ask the user to enter the radius of a sphere.
- (2) Compute the surface area of the sphere.
- (3) Compute the volume of the sphere.
- (4) Print out the computed surface area and volume of the sphere.

(Test results to be displayed on the screen by inputting 3 as the radius):

Please enter the radius of a sphere (in meter): 3

The surface area of the sphere is: 113.04 (square meter)

The volume of the sphere is: 113.04 (cubic meter)