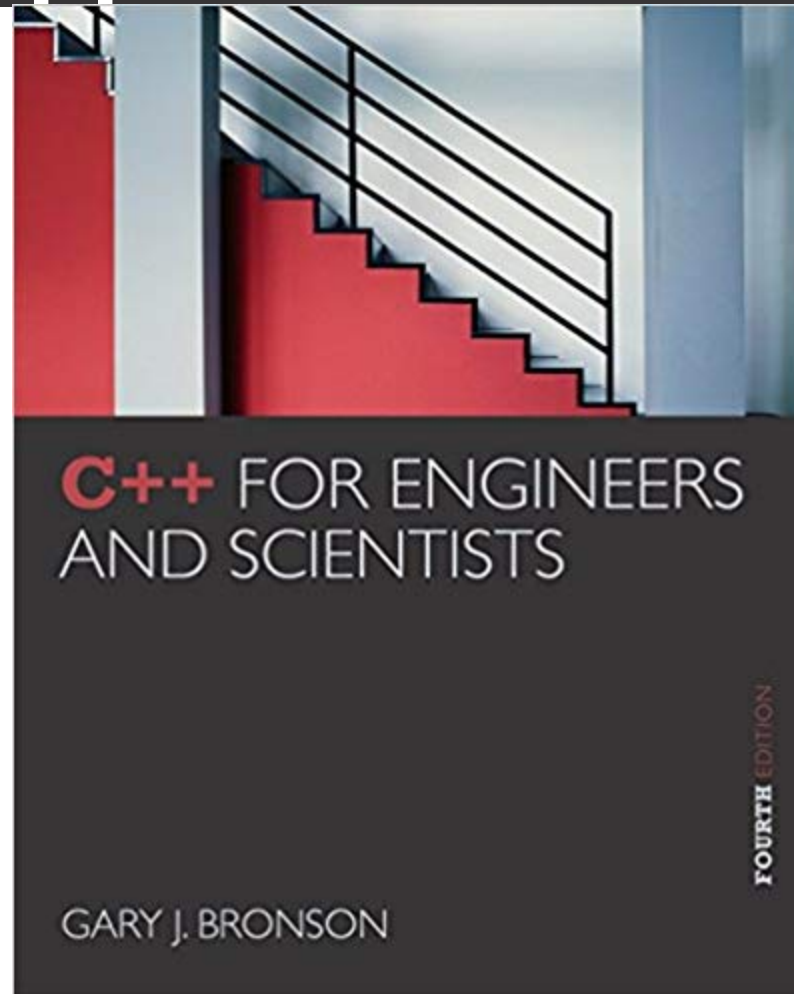# ELEG 1043
Computer Applications in Engineering

Homework Assignment 4

- **EXERCISES 7.1** in the textbook

1. **(Practice)** Write array declarations for the following:
   a. A list of 100 double-precision voltages
   b. A list of 50 double-precision temperatures
   c. A list of 30 characters, each representing a code
   d. A list of 100 integer years
   e. A list of 32 double-precision velocities
   f. A list of 1000 double-precision distances
   g. A list of 6 integer code numbers

Homework Assignment 4

- EXERCISES 7.3 in the textbook

2. **(Desk check)** Determine the output produced by the following program:

```cpp
#include <iostream>
using namespace std;

int main()
{
    int i, j, val[3][4] = {8,16,9,52,3,15,27,6,14,25,2,10};

    for (i = 0; i < 3; ++i)
        for (j = 0; j < 4; ++j)
            cout << "   " << val[i][j];

    return 0;
}
```

Due: 04/04/2019