

CS 210 Programming Assignment Guidelines

Program Documentation

1. Program Heading

The main program in a console application and each new class declaration should begin with a comment section in the following form and with the following information filled in:

Example

```
// File: <name of file>
// Your name                               Date completed
// CS 210
// Assignment: <name and number of assignment>
// < Description of what the program does >
//
// -----
#include<stdio.h>
...
```

2. Function Headings

Function definitions should be in the following format:

Example:

```
// double MyFunction(double myVariable)
// This function ...<tell what the function does>
// In your description describe the input and output
double MyFunction(double myVariable)
{int i, numPoints;
```

3. Function names, variables, and constants

- Function names should all begin with a capital letter as in MyFunction.
- Variable names should all begin with a lower case letter as in myVariable.
- Constants should be in all caps as in #define PI 3.141592653589793
- The names of variables, functions, and constants should be descriptive of what they do. Avoid meaningless variable names such as x and y and meaningless function names such as Fun1.

4. Comments

Comment code to improve clarity. Comments should tell WHAT is being done or why it is being done, not how it is being done. Assume that another member of the class is reading your program or that you are reading your program a year in the future. Use comments to explain what your program does. Avoid trivial comments.

Comments should be in good English. Grammar and spelling should be correct.

5. Project names

Name your project and your main c-code by the same name such as Asn05. Avoid default names such as ConsoleApplication1. When you zip your project file to turn it in the format is Asn05XXX.zip where XXX are your initials.