

Assignment #1: Due Wednesday, September 9, by 5:00 PM, PDT, via email

*Important note: the file containing the class names and grades **must** be passed as a command line argument to your program in a manner similar to the example shown in lab.*

Starting with a file that contains course names and grades earned for each course

```
$ more coursesTaken.txt
Computer Science II  A
Physics 201          B
Mathematics 100     A
```

Sample runs:

```
$ java gpa coursesTaken.txt
Computer Science II  A
Physics 201          B
Mathematics 100     A
```

```
GPA: 3.67
```

```
$ java gpa coursesTaken.txt -o courseListings
Number of Courses Attempted: 3
GPA: 3.67
```

Notes:

- All courses are considered to be worth the same number of units
- The second sample run includes an optional command line argument `-o` that requires a second file name. This second file, entered after the `"-o"`, must be created by your program and include the courses taken, grade, and GPA, similar to the output from the first sample run, but to be written to a file. The GPA and number of courses attempted must also be written to the screen as shown above when the `-o` option is used.
- Undefined command line options must be flagged as an error