程式設計 (一) C Language Programming
班級: 資訊工程系一甲, 一乙
學期: 九十四學年度上學期
教師: 張燕光
辦公室: 4225B
教室: 或 電腦教室
上課時間: 一甲週三8,9 堂和 週四 9 堂 一乙週三7 堂和 週四 7,8 堂
電話: (06) 275-7575 轉 62539
電子郵件: ykchang@mail.ncku.edu.tw
WWW: TBA (To Be Announced)
Textbook: A Book On C by Al Kelley and Ira Pohl
Teaching Assistants (TA): 丁義偉
Topics:
1. Introduction and Overview of C [1], 2. Flow Control [2], 3. Functions [3,4, Demo#1-2],
4. Arrays, Pointers, and Strings [5,6], 5. Characters and Strings [7],
6. Input and Output [8] [9 mid-term and Demo#3-4]
7. Bitwise Operators and Enumeration Types [10], 8. The Preprocessor [11],
9. Structures and Unions [12,13, Demo#5-6], 10. Structure and List Processing [14,15],
11. Advanced topics (inline assembly, gdb …) [16,17, demo: #7-#8], 12. Final [18]
* number in [ ] indicates the week when the corresponding topic will be covered.

評分標準 (Grading Policy)
1. Homework : 40% (6-8 Programss)
2. Attendance/Quiz: 10% (at least once two week)
3. Mid-term : 25%
4. Final Exam: 25%

How to pass this course:
1. You need to concentrate on the lecture in class (3 hours a week). (please take notes)
2. You need to write the programming assignments by yourself. It takes a lot of time to complete the
   programming assignments (unpredictable amout of time, debugging).
3. You need another 9 hours per week to study the lecture notes and textbook. You are encouraged to
   read the English version of the textbook. Do not read the Chinese translation version.
4. It is required to use the gcc compiler in UNIX. Prior to writing your first C program in UNIX, you
   need to learn how to use a text editor in UNIX, which I prefer you to learn vi editor. (I am sure that
   you will not like vi in the beginning, but you will like it after you know it in the long run.)
5. Submit your program code with the result outputs from a sample run through ftp site (TBA).
6. In addition to uploading your program, you also need to turn in the hardcopy printout of your
   program and its results when you demo your programs to TA.
※ Due day: in class or 5 pm if no class that day and late penalty is 5 points per day, up to 5 days
※ ※ copy homework is treated as negative points.