

# Introduction to Computers

## 計算機概論，機一甲

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### Course Instructor :

助理教授 詹魁元                      Office : 704, ME Building Tel : 06-2757575 ext.62149  
E-Mail : [chanky@mail.ncku.edu.tw](mailto:chanky@mail.ncku.edu.tw) (來信請註明：計概)  
Office Hour : 10:00am - noon, Wednesdays, or by appointments

Teaching Assistant : 黃彥智              Office : 儀器大樓705                      Tel : 06-2757575 ext.62159-51  
Office Hour : 1-3 pm, Thursdays or by appointments

### Course Information :

Lecture : Days and Hours : 8:10-10:00am, Wednesdays  
Classroom : 91303

Lab : Days and Hours : 8:10-11:00 pm, Fridays  
Classroom : 91602

Textbook : “Ivor Horton’s beginning C++ 2005” by Ivor Horton, Wrox Press, 2<sup>nd</sup> Ed.

“Ivor Horton’s C++教學範本” ，蔡明志譯，2000，碁峰資訊股份有限公司

Webpage : <http://iteach.ncku.edu.tw> (需登入，確認已將此課程加入，並設定常用Email帳號)

Reference : 吳逸賢、吳目誠編著， “電腦入門” ，4th ed., 2007，網奕資訊股份有限公司，GA70390

Credit : 3

Grades :

Attendance and Participation	6%
Lab HW	39%
Midterm Exams	30%
Final Exam	25%

### Course Mission :

Understand basic computer knowledge and develop fundamental computer programming backgrounds for undergraduate students. This course contains introductions to computers and basic programming using C++. Students are automatically enrolled in both lecture and lab sessions. Regular attendance and frequent practice are expected.

### Course Objectives :

- Introductions including
  - History of Computers, Hardware and Software, Operating Systems, Graphics and Word Processing
  - Excel, Powerpoint
  - Internet
- Programming including:
  - MS Visual C++, Input & Output
  - Data Type
  - Conditions, Loops
  - Pointers, Arrays and Strings
  - Functions

Class Schedules : (subject to changes)

\* Holiday

Wk.	Dates		Lecture	Lab
	Wed.	Thu.		
1	2/20	2/22	Syllabus, Course Mission/ Requirements	Intro
2	2/27	2/29	History of Computers, Hardware/Software	Lab HW1 (Office)
3	3/5	3/7	Chapter 1	Lab HW2
4	3/12	3/14	Chapter 2	Lab HW3
5	3/19	3/21	Chapter 3	Lab HW4
6	3/26	<b>3/28</b>	Chapter 1-3	<b>Midterm Exam</b>
7	4/2*	4/4*	NO CLASS	
8	4/9	4/11	Chapter 4	Lab HW5
9	4/16	4/18	Chapter 4	Lab HW6
10	4/23	4/25	Chapter 5	Lab HW7
11	4/30	5/2	Chapter 5-6	Lab HW8
12	5/7	<b>5/9</b>	Chapter 4-6	<b>Midterm Exam</b>
13	5/14	5/16	Chapter 6, 8	Lab HW9
14	5/21	5/23	Chapter 8, 9	Lab HW10
15	5/28	5/30	Chapter 7	Lab HW11
16	6/4	6/6	Matlab	Lab HW12
17	6/11	6/13	Matlab	Lab HW13
18	6/18	<b>6/20</b>	Course Review	<b>Final Exam</b>