

計算機概論 (Introduction to Computer Science) Syllabus

Instructor: Tsung-Che Chiang 蔣宗哲 Email: tcchiang@ieee.org

Web page: <http://web.ntnu.edu.tw/~tcchiang/introCS2010.htm>

Schedule

Date	Lecture Topic	Group Presentation Topic
09.13 & 09.16	Introduction Number Systems (I)	
09.20 & 09.23	Number Systems (II)	
09.27 & 09.30	Data Storage	
10.04 & 10.07	Operations on Data (I)	
10.11 & 10.14	Operations on Data (II)	
10.18 & 10.21	Operations on Data (III)	Document preparation
10.25 & 10.28	Computer Organization (I)	Slide preparation
11.01 & 11.04	Computer Organization (II)	Movie making
11.08 & 11.11	Computer Organization (III)	
11.15 & 11.18	Operating Systems	Windows
11.22 & 11.25	Computer Networks (I)	Unix/Linux/Mac OS
11.29 & 12.02	Computer Networks (II)	
12.06 & 12.09	Computer Networks (III)	Google applications (I)
12.13 & 12.16	Algorithms	Google applications (II)
12.20 & 12.23	Data Structures	
12.27 & 12.30	Theory of Computation	Antivirus Software
01.03 & 01.06	Data Compression	
01.10	Final Exam	

Grading Policy

- ✓ One-hour exams (50%)
- ✓ Final exam (20%)
- ✓ Group presentation (20%)
- ✓ Class attendance & participation (10%)

Text & References

Behrouz Forouzan and Firouz Mosharraf, Foundations of Computer Science, 2nd edition, Thomson, 2008. (歐亞書局代理)

Nell Dale and John Lewis, Computer Science Illuminated, 3rd edition, Dale Lewis, 2007. (滄海書局代理)

趙坤茂、張雅惠、黃寶萱，計算機概論，第三版，2008. (全華書局)