

National Center University
Department of Computer Science and Information Engineering
Course Lectured in English
2st Semester of Academic Year 2014/2015

Course	Theory of Computation I
Instructor	Sun, Min-Te(Peter)
Credit	3
Whole Year or Semester	Semester
Teaching goal	This course introduces the fundamental computation language and machine models.
Teaching content	(none)

Course	Social media mining
Instructor	Tsai, Tzong-Han
Credit	3
Whole Year or Semester	Semester
Teaching goal	(none)
Teaching content	<ol style="list-style-type: none">1. Graph Essentials2. Network Measures3. Network Models4. Data Mining Essentials5. Community Analysis6. Information Diffusion7. Influence and Homophily8. Recommendation in Social Media9. Opinion Mining for Social Texts

Course	Computer Architecture
Instructor	Cheng, Hsu-Yung
Credit	3
Whole Year or Semester	Semester
Teaching goal	Let the students understand the design and development of computer architecture
Teaching content	Fundamentals of Computer Design Instruction Set Principles and Pipelining Advanced Pipelining and Instruction Level Parallelism (ILP) Scoreboard, Tomasulo Branch Prediction Memory Hierarchy, Cache Virtual Memory I/O, Storage Multi-Processors