

Course Title	Introduction to Intelligent Information Systems I
Registration Code	
Number of Credits	2
Years of Eligible Graduate Students	1-2
Semester	1st
Period	Wed. 1st
Room	B4-W-K-201 (Nakamozu Campus, OPU)
Instructors	Koichi Kise, <i>et al.</i>
Office hours	Tuesday, 3rd period.
Goals of the course	Student comprehends widely spread researches on computer science and intelligent systems, such as knowledge engineering, information systems engineering, computer systems engineering, and so on, from basics to applications.
Textbooks	Nothing
Books of reference	Nothing
Allied subject	
Homework (Preparing for the classwork)	Keywords on the related topics should be looked up before each lecture. After each class, uncertain terms in the delivered materials should be investigated for deeper understanding.
Course outline	Professors will conduct lectures, focusing on widely spread important topics related to advanced researches on computer science and intelligent systems. Intensive course(totally 15 times).
Class schedule	1st Information Centric Network Technologies 2nd Puzzle-Based Learning 3rd Information Visualization 4th Cognitive Model and Reinforcement Learning 5th Medical and Nursing Informatics 6th Large-scale Pattern Recognition 7th Neural Network Language Model 8th Evolutionary Computation 9th Evolutionary Data Mining 10th Video Information Processing 11th Cluster Analysis and Data Mining 12th Signal Processing 13th Machine Learning 14th Intelligent Media Processing 15th Software Systems Engineering
Evaluation	Evaluation will be based on in-class mini-reports and homework
Remarks	This lecture is conducted in English. Foreign Students are only permitted to take this lecture.