Course Information	
Course title	Artificial Intelligence
Semester	102-1
Instructor	YUNG-JEN HSU
Curriculum Number	CSIE5400
Curriculum Identity Number	922 U3020
Credits	3
Full/Half Yr.	Half
Required/ Elective	Elective
Time	Wednesday ABC
Remarks	The upper limit of the number of students: 100.
Course Website	http://course.agent.csie.ntu.edu.tw/
Table of Core Capabilities and Curriculum Planning	Association has not been established
Course Syllabus	
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Course Description	The outline of this course is given below. I. Pattern Recognition Overview II. Bayesian Decision Theory III. Supervised Learning Using Parametric Approaches IV. Supervised Learning Using Non-parametric Approaches V. Linear Discriminant Functions VI. Unsupervised Learning and Clustering VII. Special Topics in PR
Course Objective	The goal of this course is to introduce the basic concepts and techniques used in the field of pattern recognition (PR). Broadly speaking, PR is a science that concerns the classification (or recognition) of measurements. It has many

	important applications, for example, document analysis, face recognition, fingerprint identification, speech recognition, medical diagnosis, data mining, and information retrieval.