

Artificial Intelligence

AI

Unit 0

Course Information

- Lecturer: 江政杰
 - Office: 四合院 301
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- Please pay attention to the course site
 - URL: nas.takming.edu.tw/pluto/AI/ai.html
 - Course schedule and information
 - Slides
 - Assignments and Term projects
 - Related links

Course Information

- Recommended books:
 - 人工智慧: 智慧型系統導論(第二版), 全華出版, 2007
 - S. Russell and P. Norvig, “Artificial Intelligence: A Model Approach”, Prentice Hall, 2003
 - M. Negnevitsky, “Artificial Intelligence: A Guide to Intelligent System”, Addison Wesley, 2005
 - 人工智慧導論 林堯瑞, 馬少平 儒林書局
- Evaluation
 - 平時成績: 30% (出席, 上課狀況)
 - 平時作業: 20%
 - 期中考: 25%
 - 期末考 25%

Scopes in This Course

- Introduction to AI (x3)
 - What do you learn in this course?
 - Brief descriptions of AI
 - Relation to other courses
 - Intelligent agents
- Rule and Knowledge (x3)
 - Rule: representation and inference
 - Rule-based system
 - Relationship between rule and knowledge
 - Expert System

Scopes in This Course

- Uncertainty and Learning (x3)
- Search (x3)
 - Why search, and how?
 - DFS and BFS
 - Game search
- Neural Network (x2)
- Fuzzy System (x2)