COURSE INFORMATION

Agent Based Systems

Course Title

CS539

Course Number

Fall 2015

Semester

TR 12:35-1:50

Meeting Time(s)

Online: D2L

Meeting Location(s)

INSTRUCTOR INFORMATION

Henry Hexmoor

Instructor Name

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e-mail

W& F 09:00-12:00

Office Hours

Faner 2130

Office Location

(618) 453-6047

Office Telephone

COURSE GOALS AND TOPICS

Brief Summary of Course Goals and Topics

Agent-based systems are commonplace in environments characterized by distributed, collaborative, and autonomous units. The techniques and algorithms of agent-based systems and multiagent systems are presented. Real world applications are explored. A series of assignments will deepen student appreciation.

TEXTBOOKS AND MATERIALS

Required Textbook(s)


Required Materials and Equipment

Recommended Textbook(s)

Recommended Materials and Equipment
ASSIGNMENTS AND EVALUATIONS

Type and Number of Planned Assignments
Six assignments, two programming projects, four quizzes

Methods of Evaluation
presentations and reports

COURSE SCHEDULE OVERVIEW

General Outline of Course Topics
1. Foundational Topics
2. Norms and E-institutions
3. Social Capital
5. Argumenattion
6. Bragaining
7. Coalitions