

ES595a Course Outlines& Schedule Version 1.0

September 10, 2003

W	Date	Topic	Reading	Due
1	Spet-11	Basic Concepts	Notes & supplementary Readings; [1] Ch 1,2; [2] Ch 1, [3] Ch 1, [7];	
2	Spet-18	Basic Concepts	Notes & supplementary Readings; [1] Ch 3-5; [2] Ch 3,4	
3	Spet-25	No Lecture	Job Fair	Assignment 1
4	Oct-2	Agent Communication & Architecture	Notes & supplementary Readings; [1] Ch 8	
5	Oct-9	Presentations		Paper 1
6	Oct-16	Agent Development Tools and Platforms	Notes & supplementary Readings JADE, FIPA-OS, IBM ABLE	
7	Oct-23	Coordination, Interaction & Decision Making	Notes & supplementary Readings; [1] Ch 6-7,9	Assignment 2
8	Oct-30	Cooperation and Teaming	Notes & supplementary Readings; [2] Ch 2, 5	
9	Nov-6	Adaptive Agents and MAS	Notes & supplementary Readings; [2] Ch 6	
10	Nov-13	Presentations		Paper 2
11	Nov-20	Applications: Cooperative Distributed systems and Web Agents Agents for Mobile and Ubiquitous Computing	Notes & supplementary Readings; [1] Ch11; [3] Ch 2 [5]	Assignment 3
12	Nov-27	Applications: Cooperative Autonomous Robots Engineering Design and Manufacturing Control	Notes & supplementary Readings; [2] Ch 9, 10 [6]	
13	Dec-4	Presentations		Paper 3
14	Dec-11	Agent-Oriented Software Engineering & Future Directions	Notes & supplementary Readings [1] Ch 10, [4]	Project: Analysis & Design
**		Final Project		Project: Implementation, Presentation, Demo

Readings

- [1] **An Introduction to Multiagent Systems**, Michael Wooldridge, John Wiley & Sons (Chichester, England), 2001
- [2] **Multiagent Systems** edited by Gerhard Weiss (MIT Press, 1999).
- [3] **Readings in Agents**, Edited by Michael Huhns and Munindar Singh, 1997
- [4] **Agent-Oriented Software Engineering**, Ciancarini, P. and Wooldridge, M. (Eds.) Springer-Verlag Lecture Notes & supplementary Readings in Computer Science Volume 1957, January 2001.
- [5] **Agent Technology for Communication Infrastructures**, Alex Hayzelden and Rachel Bourne (Eds.), John Wiley & Sons Inc, 2001
- [6] **Multi-Agent Systems for Concurrent Intelligent Design and Manufacturing**, Weiming Shen, Douglas H. Norrie and Jean-Paul Barthes Published by Taylor & Francis
- [7] **Artificial Intelligence: A Modern Approach**, 2/E Stuart Russell and Peter Norvig, Prentice Hall, 2002.