ES595a Course Outlines& Schedule
Version 1.1

November 5, 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	**Canceled**		
8	Oct-30	Coordination, Interaction & Decision Making	Notes & supplementary Readings; [1] Ch 6-7,9	**Assignment 2**
9	Nov-6			
10	Nov-13	Cooperation and Teaming	Notes & supplementary Readings; [2] Ch 2, 5	
11	**Nov-20**	**Presentations**		**Paper 2**
12	Nov-27	Applications: Engineering Design and Manufacturing Control Cooperative Distributed systems and Web Agents	Notes & supplementary Readings; [1] Ch11; [3] Ch 2 [5] [2] Ch 9, 10 [6]	**Assignment 3**
13	Dec-4	Applications: Agents for Mobile and Ubiquitous Computing Cooperative Autonomous Robots Agent-Oriented Software Engineering & Future Directions	Notes & supplementary Readings [1] Ch 10, [4]	
14	**Dec-11**	**Presentations**		**Paper 3** **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.