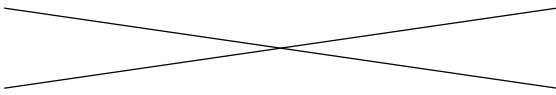


NN-II, Spring 2009

G.G. Lendaris

PRELIMINARY SCHEDULE

1	<p>3/30/2008: Ideas for human-like experience-based control via computational agents -- and lots of unanswered questions</p> <p>Read Handout: F. L. Lewis, "Neural Networks in Feedback Control Systems", from Mechanical Engineer's Handbook, John Wiley, New York, 2005.</p>	<p>4/1: Discuss material from Lewis paper. More discussion on Adaptive Critics.</p> <p>Read: Lendaris & Shannon, and Lendaris & Neidhoefer chapters re. DHP Adaptive Critics -- available on Course Web page.</p>
2	<p>4/6: GGL away for NSF Review Panel in Washington, D.C.</p> <p>Read Handouts: 1) G.G. Lendaris, "Higher Level Application of ADP: A Next Phase for the Control Field? <i>IEEE Trans. on Systems, Man, and Cybernetics-Part B</i>, vol 38, no. 4, Aug 2008. 2) G.G. Lendaris, "A Retrospective on Adaptive Dynamic Programming for Control", to appear, IJCNN 2009 (shorter w/similar content to 1).</p>	<p>4/8: Discuss material from Lendaris papers: DHP method, Adaptive Critic Reinforcement Learning controller design methods, Experience-Based Identification and Control.</p> <p>Written Term Project proposals/descriptions due by today.</p>
3	<p>4/13: <i>Feedback re. Term Project proposals.</i></p> <p>Preview of Fuzzy Logic.</p>	<p>4/15: Fuzzy Logic.</p>
4	<p>4/20:</p>	<p>4/22:</p>
5	<p>4/27: Student in-class project presentations and class interaction for refinement of project definition.</p> <p>[Oral: ~ 10 minutes each.]</p>	<p>4/29:</p>
6	<p>5/4:</p>	<p>5/6:</p>
7	<p>5/11:</p>	<p>5/13:</p>
8	<p>5/18:</p>	<p>5/20:</p>
9	<p>5/25: Memorial Day -- PSU Holiday</p> <p style="text-align: center;"></p>	<p>5/27:</p>
10	<p>6/1:</p>	<p>6/3:</p> <p>Half of Term Project oral presentations.</p> <p>Term Project Reports Due.</p> <p>Take-home Final Exam is handed out.</p>
F	<p>6/8: [Monday, 3:30 - 5:20 PM]</p> <p>Remainder of Term Project presentations.</p> <p>Take-Home Final Exam Due.</p>	