

CS 536	Artificial Intelligence II	Page 2
Major Topics Covered in the Course		
<ol style="list-style-type: none"> 1. Languages and architectures for problem solving blackboards, production systems, connection networks, constraint propagation 2. Default reasoning, uncertainty nonmonotonic logic, belief revision, certainty factors 3. Natural language understanding parsers, anaphora, plan recognition, schema application, focus, speech acts 4. Expert systems MYCIN, XCON, shells, knowledge engineering 5. Advanced knowledge representation intentional objects, naive physics, analogical representations 6. Programming techniques agendas, streams, controlling backtracking in Prolog 7. AI research at SIU 8. Learning version spaces, concept learning, Automated Mathematician 9. Planning STRIPS, NOAH, metaplanning 		
Major Lab Assignments and Projects		
Assessment Plan for the Course		
Tool 1.	Homework Assignment: Outcomes 1, 6	
Tool 2.	Individual Semester project: Outcomes 6, 7 Research and Technical communication Professional Development:	
Tool 3.	Two exams: Outcomes 2, 7	