

Syllabus and Study guide for AI Mid Term exam

Sources

- Russell & Norvig's textbook (AIMA)
- Slides posted via Google classroom

Syllabus

Ch.	Subject	Topics/Skills required
2	Intelligent Agents	<ul style="list-style-type: none">• Understanding PEAS description• Understanding the characteristics of environments (static/dynamic, stochastic/deterministic, etc.)• Understanding different types of models (model-based, utility based, etc.)
3	Search	<ul style="list-style-type: none">• Understanding all blind and heuristic search techniques (BFS, DFS, UCS, Greedy, A* etc.) and ability to solve mathematical problems related to these.
5	Adversarial Search	<ul style="list-style-type: none">• Understand minimax and alpha-beta pruning and ability to solve simple mathematical problems related to these.• Understand techniques to make game tree search faster (cut-off search, move ordering, etc.)