

Artificial Intelligence

Book References

| <u>Unit</u> | <u>Description</u> | <u>Book Section(s)</u> |
|--------------------|-------------------------------|-------------------------------|
| 1 | Fundamentals | 1.2, 2.1 |
| 2 | Search (Dijkstra, UCS) | 4.2 |
| | Search (A*) | 4.3 |
| | Topology | 4.4, 4.6, 6.1 |
| | Goal-Oriented Action Planning | 5.7.5, 5.7.6 |
| | Behavior Trees | 5.4 |
| 3 | Steering Behaviors | 3.3, 3.4 |
| 4 | Game Playing | 8.2 |
| 5 | Rule-Based Systems | 5.8 |
| | Fuzzy Logic | 5.5 |
| | Decision Trees | 5.2 |
| | State Machines | 5.3 |
| 6 | Neural Networks | 7.7 |