

Reinforcement Learning in MATLAB and Simulink

OEM: MathWorks • Duration: 1 Day (8 hrs) • Code: MW-REINFORCEMENT-LEARNING-IN-MATLAB-AND-

COURSE MODULES & TOPICS

Day 1 of 1

Environment and Rewards

- Set up environment in Simulink
- Write a reward function
- Set up an agent using Simulink and MATLAB
- Connect agent and environment

Policy and Agent

- Represent a policy with a neural network
- Create a reinforcement learning agent in MATLAB
- Specify simulation options to run a simulation

Neural Networks and Training

- Assemble a neural network
- Create a policy representation
- Train an agent

Deployment

- Compile policy as code
- Validate code
- Create a policy evaluation block