



Bookmarks

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## Week 10 Suggested Readings

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▶ Artificial Intelligence Course: Getting Started

1. John McCarthy

A Biographical Memoir by Nils J. Nilsson

▶ Week 1: Introduction to AI

National Academy of Sciences

**Link to the article.**

▶ Week 2: Intelligent Agents and Uninformed Search

2. John McCarthy

Programs with Common Sense

Computer Science Department, Stanford University

▶ Week 3: Heuristic Search

**Link to the article.**

▶ Week 4: Adversarial Search and Games

▶ Week 5: Machine Learning 1

▶ Week 6: Machine Learning 2

▶ Week 7: Machine Learning 3

▶ Week 8: CSP

▼ Week 9:  
Reinforcement  
Learning

Week 9:  
Reinforcement  
Learning  
Introduction

9.1 Reinforcement  
Learning  
Overview

9.2 Markov  
Decision Process  
(MDP)

9.3 MDP - Finding  
Optimal Policy

9.4 Example of an  
MDP and Bellman  
Equations

9.5 Value Function  
- Matrix Notation


9.6 Finding  
Optimal Policy in  
MDPs - Iterative  
Methods

9.7 Policy  
Iteration Method  
Example


9.8 Value Iteration  
Method

9.9 Reinforcement  
Learning -  
Algorithms

Week 9 Quiz:  
Reinforcement  
Learning

Quiz due Apr 11, 2017  
05:00 IST 

Week 9 Project:  
Constraint  
Satisfaction  
Problems

Project due Apr 11,  
2017 05:00 IST 

Week 9 Optional  
Project:  
Reinforcement  
Learning (not  
graded)

Week 9  
Discussion  
Questions

- ▶ Week 10:  
Logical Agents
- ▶ Week 11: AI  
Applications:  
NLP
- ▶ Week 12: AI  
Applications  
And Course  
Review

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