

# **RL-Course**

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# Preface

This notes are based in the course from Berstekas for the MIT see all lectures and other resources for complete the understanding.

# Outline

The textbook for chapter one is the Bertsekas' book (Bertsekas 2005). Chapter 2 and 3 are adapted from Suttons' book (Ch.3,Ch.4 Sutton and Barto 2018). For application and broad conection with more Matchine Learning Applications we refer to (Brunton and Kutz 2019). Also we recomend for a handbook of algorithms (Szepesvári [2022] \copyright 2022). For applictions wiht implemented code we follows the books (Bilgin 2020).

# **1 The Dynamic Programming Algorithm**

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### **6.5 Asynchronous Dynamic Programming**

### **6.6 Generalized Policy Iteration**

### **6.7 Efficiency of Dynamic Programming**

### **6.8 Summary**

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