



Northeastern University  
CS 7180 – Special Topics in AI (Reinforcement Learning)  
Fall 2018, Robert Platt

## TD Learning Assignment

Name: \_\_\_\_\_

Problem	Points
COMPUTING VALUES FOR THE RANDOM WALK.	/20
OFF POLICY TD(0)	/20
DOUBLE EXPECTED SARSA	/10
PROGRAMMING: SARSA, Q-LEARNING, AND EXP-SARSA	/50
<b>Total</b>	<b>/100</b>

### Instructions

- Don't cheat!

**(20 pts.)** COMPUTING VALUES FOR THE RANDOM WALK.

Exercise 6.6 from SB.

**(20 pts.)** OFF POLICY TD(0)

Exercise 6.7 from SB.

**(10 pts.)** DOUBLE EXPECTED SARSA

Exercise 6.13 from SB.

**(50 pts.) PROGRAMMING: SARSA, Q-LEARNING, AND EXP-SARSA**

Complete the programming excersises in *cs7180-hw5-td-learning.ipynb*.