Classes

THEORETICAL SEMINAR IN NEURAL COMPUTATION (76945) [1]

Semester: Fall
Offered: 2013

Instructive reading of Theoretical topics in Neural Computation. (course catalogue information [2])

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COMPUTATION AND COGNITION (06119) [3]

Semester: Fall
Offered: 2013

Course site (restricted access) [4]

The course offers an introduction to computational methods and principles in neuroscience and psychology. The range of topics include the Hopfield model for associative memory, the Perceptron model, supervised learning in linear and non-linear networks, unsupervised learning (PCA and vector quantization), reinforcement learning (TD learning and REINFORCE), Expected Utility Theory vs. Prospect Theory, control theory and dynamic programming and Game Theory.

UNDERGRADUATE SEMINAR: BRAIN & BEHAVIOR SCIENCES (72526) [5]

Semester: Spring
Offered: 2013

course catalogue infromation [6]

LAB ROTATION (76922) [7]

Semester: Spring
Offered: 2013

Students are given the opportunity to do practical work in laboratories of Hebrew university. In the framework of this course students and teachers define a project that can be completed in one semester. Students may choose to present the project as their M.Sc. seminar. The requirements for credit in the laboratory rotation course are that the student will work in two different labs. (course catalogue infromation [8])

INTRODUCTION TO NEUROBIOLOGY (72369) [9]
TUTORIAL COURSE: SELECTIVE TOPICS IN NEURAL COMPUTATION (76943)

Semester: Spring
Offered: 2011

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Links:
[1] https://elsc.huji.ac.il/loewenstein/classes/theoretical-seminar-neural-computation-76945
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