

Neural Modeling



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About Course

Name: Neural Modeling

Number of units: 3

Syllabus:

- Models of the Cell
- The Neural Code
- Reverse Correlation and Receptive Fields
- Neural Decoding
- Information Theory
- Network Models
- Plasticity and learning

Reference

- ❖ Neural Engineering-Eliasmith and Anderson-The MIT Press (2003)
- ❖ Theoretical Neuroscience-Dayan and Abbott-The MIT Press (2004)
- ❖ Encyclopedia Of The Human Brain-Malestrom-University of California, San Diego (2002)

