

# Computational Neuroscience

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# 1 About this course

An introduction to basic computational methods for understanding what nervous systems do, and determining how they function. An exploration of computational principles governing various aspects such as vision, learning, memory, sensory-motor control. Representation of information by spiking neurons, processing of information in neural networks, and algorithms for adaptation and learning.

## 2 Resources

- **Coursera: Computational Neuroscience** taught by professor of Computer Science and Engineering Rajesh P. N. Rao, and professor of Physiology and Biophysics Adrienne Fairhall at the University of Washington (<https://www.coursera.org/learn/computational-neuroscience>)