

# *electrophysiology*



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# About Course

**Name:** electrophysiology

**Number of units:** 3

**Syllabus:**

- Bioelectric potentials
- Channels
- Action potentials
- Impulse propagation
- Electrical stimulation
- Extracellular fields
- Functional electrical stimulation

## Reference

- ❖ Bioelectricity- A Quantitative Approach 3rd ed. - R.C. Plonsey - Springer (2007).
- ❖ Dynamical Systems in Neuroscience - E.M. Izhikevich - Massachusetts Institute of Technology (2007).

