

BIEN 210. ELECTRICAL AND OPTICAL PROPERTIES OF BIOLOGICAL SYSTEMS.

Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Mechanisms of optical and electrical detection, transmission, and processing in biology. Vision, luminescence, photosynthesis, nerve conduction, ion channels. Speciation and evolutionary optimization as a design platform. Biomimetic opto-electric engineering. Optics and electronics in instrumentation for biological measurements.

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- Corequisite: BIEN 200

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