

BIEN 210. ELECTRICAL AND OPTICAL PROPERTIES OF BIOLOGICAL SYSTEMS.

Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

Terms offered: Fall 2025

View offerings for Fall 2025 in Visual Schedule Builder.

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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