Middle East Technical University

Biomedical Engineering Graduate Program

BME 501 - Introduction to Biomedical Engineering

Bioelectric Part Program:

- 1. Bioelectric phenomena 3h Dr. Yeşim Serinağaoğlu (Resting electrical properties of cells and electrical equivalent model, action potential properties, action potential propagation and external fields, synaptic transmission and neuromascular junction, Electroneurogram, Electromyogram, Electrocardiography, Electroencephalography)
- 3. Mathematical modeling of physiological control systems 1h Dr. Nevzat G. Gençer