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The Ohio State University. The laboratory course provides hands-on exploration of physical layer communication. Through a sequence of guided explorations, students design and implement a digital communication system with modulation to an acoustic carrier frequency. The materials are designed to support

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You should have a fair understanding of Matlab programming to begin with. Essential topics in digital communication are introduced to foster understanding of simulation methodologies. This second edition includes following new topics - propagation path models like - log normal shadowing, Hata-Okumura

models, in-depth treatment of Shannon-Hartley equation and Channel Capacity calculation.

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