

## **LEARNING OBJECTIVES - Lecture 14 (Channel Coding Theorem: Converse and Joint AEP)**

*After attending lecture and completing the associated readings, you should be able to:*

1. Set up the basic channel coding problem, including definitions of DMCs and their extensions, encoding/decoding functions, error, and operational definition of capacity.
2. State and prove the converse to the channel coding theorem.
3. State and prove the joint AEP.