

## **LEARNING OBJECTIVES - Lecture 26 (Error Exponents)**

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

1. Describe the intuition of bad codewords v. bad channel noise realizations in the random coding error exponent.
2. Describe the rate region where the random coding error exponent is tight.
3. Discuss other achievability and converse bounds on the error exponent, at an intuitive level.
4. Provide a general discussion of information theory and its applications.