Information Theory

Instructor: Prof. Dimitris Maroulis

Semester: 5th

Basic Course - Sector of Communications and Signal Processing

Optional Course - Sector of Computer Systems and Applications

Course Website

Overview. Basic concepts. Definition and measurement of the quantity of information. Useful SIZES and functions
Study of discrete messages sources entropy redundancy
source codes
rate of nformation provision)

Memoryless sources and Markov sources Discrete messages channel capacity С onsecutive messages sources and reduction to di screte. Sampling theorem s. Excellent channel ideal system channel with noise , continuous message channel Comparison of communication systems. Data error control coding •