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 information provision)

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