Below we use the following notation:
Txbk – "Codinig theory and Cryptography" by Hankerson & others.

Content of lectures 1-2.

Lecture 1.

General description of the information transmission.
Problem with disruption: random noise or bursts.
Error correction and error detection tasks.
Some examples of codes with the error detection property.
Error correction. Hamming distance and weigth.
†Txbk, Ch.1: 1.1-1.3, 1.5, 1.7, 1.8, 1.11, 1.12.

Lecture 2.

Reminding about fields. Codes over a finite field.
Linear block codes over $\mathbb{F}_2$ or over a finite field.
Linearly dependent or independent set of vectors.
Checking linear independence with Gauss method.
The code generated by a set of vectors. Finding a base.
†Txbk, Ch.2: 2.1-2.3.
†Notice: We discuss other fields, but Txbk does not!