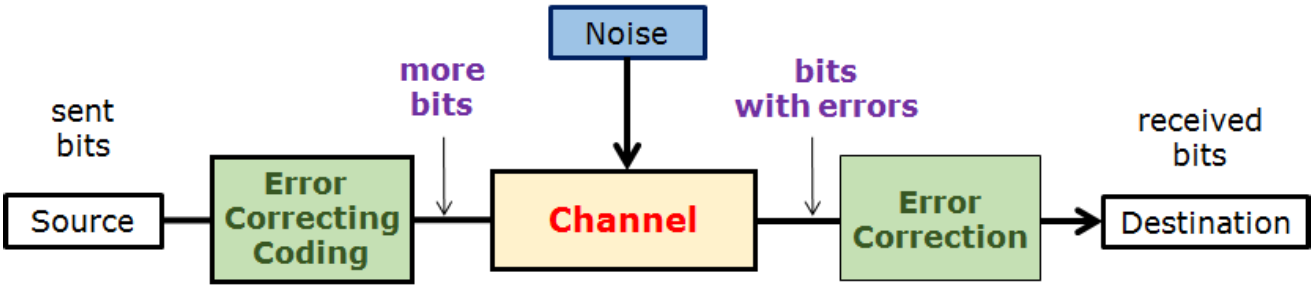
The objective of this lab is to implement the (8, 4, 3) parity bit block code to improve the BER performance.



There are three tasks in this lab.

In task 1, you will write the code to build a (8, 4, 3) block code encoder.

In task 2, you will write the code to build a (8, 4, 3) block code decoder.

In task 3, you will compare the performance of the (3,1,3) repetition code and the (8,4,3) parity bit code with that of the uncoded scheme.

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