

Wireless Communications

Project

Weight: 10 %

Project group: 4 students.

Project submission deadline:: 29th of November (29/11/2017)

Evaluation of the project: To be announced (each student in the group will be evaluated).

Tool: Use MATLAB. M-files are required (do not use Simulink).

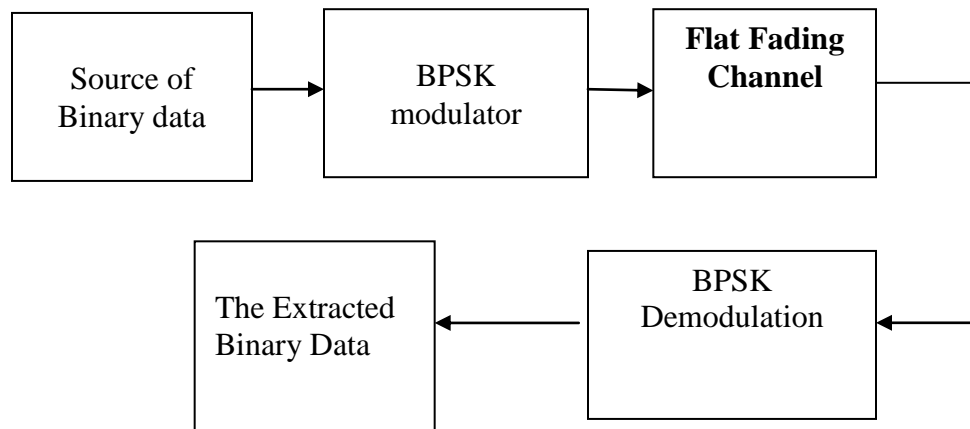
General instructions:

The Project will be submitted as a hard copy and includes:

- The obtained results (FIGURES) as explained below.
- Give comments on the obtained results.

Project Description

Simulate the following block diagram of a digital communication system.



Required Results:

- Evaluate the performance of the system in presence of noise and fading
- Figure1:
 - Plot the Bit Error Rate (BER) versus the SNR for AWGN channel (only without fading)
 - Plot the BER versus the SNR for Fading+noise