**PROJECT III**

**EEL3135-SIGNAL AND SYSTEM**

**Instructor:** Dr. Jean H. Andrian

**Objective**: To let students gain more understanding in Amplitude Modulation

**Due date:** 12/02/18

**Question**

1. Describe the Amplitude Modulation in the time-domain and in the frequency. Use figures and bloc diagrams if necessary. This is at the emitter.
2. Describe what is happening at the receiver that is the demodulation. Again show the equations and illustrate with figures and bloc diagrams. Show the demodulation in the frequency domain. Show all the blocs in the demodulation in the frequency domain.

Describe a simple electronic circuit used to demodulate the received signal.

**Requirement and Submission** **\*Please read\***

The answer should be in essay writing in your own word and the picture can be included.

The file should be sent in Word or PDF format only.

Hand writing and picture file will not be accepte

*Please state the email subject as: EEL3135 Discovery III,* *then send it to jlu015@fiu.edu*

***\* Late submission will not be accepted\****

**Answering Format**

The figure below demonstrates the answering sheet format:

The Question

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Name:

PID:

Due Date:

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