

AEEG 1305 : Fundamentals of Digital Signals

This course discusses the differences between analog and digital signals, and the conversion between them. It discusses number systems, binary data, Boolean logic, Boolean equations, truth tables, logic gates, logic circuits, decoders, counters, flip-flops, and registers. The course also exposes students to drawing, simulating, and breadboarding basic combinational and sequential logic circuits.

Credits 3

Course ID

008619

Grading Basis

Graded

Course Component

Lecture

Requisites

[AEEG 1305](#) Prerequisites: [AEEG 1300](#), 1301; Corequisites: [AMAT 1300](#)

Semester Offered

Fall semester

spring semesters