

ELET 215C : Advanced Digital Electronics

Advanced topics in digital electronics including the internal structure of logic families, complex digital circuits, synchronous logic, A/D and D/A conversion, timing diagrams, computer bus systems, programmable logic devices (PLD), and complex circuit debugging. The topic of digital interfacing is also covered. This includes interfacing various logic families to each other as well as interfacing logic to various I/O loads, such as inductive loads and 120VAC loads.

Credits 4

Lab/Practicum/Clinical Hours 3

Lecture Hours 3

Prerequisite Courses

CPET 107C

ELET 110C

ELET 115C

ELET 144C