Course Objective:
To learn about Device Modeling- Various types of analog systems- CMOS amplifiers and Comparators.

Course Outcome:
Students will be able to understand the concepts of analog design and to design various analog systems including data converters- CMOS amplifiers- Comparators and Switched Capacitor Circuits.

Unit I

Unit II

Unit III

Unit IV

UNIT V
Switched Capacitor Circuits: Switched Capacitor Circuits - Switched Capacitor Amplifiers- Switched Capacitor Integrators- z-Domain Models of Two-Phase Switched Capacitor Circuits- First-Order Switched Capacitor Circuits- Second-Order Switched Capacitor Circuits- Switched Capacitor Filters.

Text Book

Reference Books