

# ECSE 634. ANALOG INTEGRATED CIRCUITS SIGNAL PROCESSING.

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Credits: 4

Offered by: Electrical & Computer Engr (Graduate Studies)

This course is not offered this catalogue year.

## Description

Analog signal processing techniques for monolithic implementation. Filter approximation theory; filter realization methods; integrated filter technologies; active-RC, MOSFET-capacitor, transconductance-capacitor, switched-capacitor, switched-current; filter tuning methods. Phase-locked loops; signal conversion techniques.

- (3-0-9)
- Prerequisites: ECSE 334, ECSE 303 or equivalent

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