

King Saud University
Electrical Engineering Department
EE416- Advanced Electronic Circuits
1st Semester 1426/1427(2005/2006)

Instructor: Dr. Mohammed A. ALTURAIGI
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Description: Op-amp characteristics and applications, D/A and A/D converters, Switched capacitor circuits, Waveform Generation circuits, Timers and applications, Current Mode circuits and current conveyor applications, Analog multiplier circuits and applications, OTA circuits and applications, PLL and applications

Text books

- 1- "Microelectronic Circuits" By A.S.Sedra and K.C.Smith, 5th edition.
- 2- "Design with operational amplifiers and analog integrated circuits" By Sergio Franco, 3rd edition.

Prerequisites: EE315

Class/Tutorial Schedule: Class is held three times per week in 50 –minute lecture sessions. There is also a 50-minute weekly tutorial associated with this course

Grading

Exam # 1	25%	17/10/1426
Exam # 2	25%	24/11/1426
H.W	10%	
Final Exam	40%	