

dates	lecture#/event	teaching schedule
07/01/2013	1	Intro., Circuit theoretic background
14/01/2013	2	Circuit theoretic (cont.), filter circuits with OA OTA and CC
21/01/2013	3	Impedance scaling, duals and transposed networks freq. scaling, MFM approx., Butterworth filters
28/01/2013	4	CHEB approx., freq. transformation, HP, BP and BS filter function synthesis, Phase approx., Passive LC ladder filter.
04/02/2013	5	Passive LC filter (cont.), active RC second order filters with OA. Multi OA second order filters
11/02/2013	6	Multi OA filters, sensitivity, OTA-C filters
	Syllabus: Lect#2-4	MT test #1
18/02/2013	MT break	
25/02/2013	7	CC-based filters, IC filter components, SC filter (intro.)
04/03/2013	8	bilinear transformation, pre-warping parasitic insensitive integrators, analysis using SPICE
11/03/2013	9	Design example for second order SCF SC filter using Unity gain amplifiers
18/03/2013	10	Intro. To high order active filter, gyrator, GIC,FDNR Operational simulation
25/03/2013	11	High order filter (contd.)
25/03/2013	MT tests #2	Syllabus: Lect#5-9
01/04/2013	Univ. Closed	
08/04/2013	12	Integ. Circ. Filters, Current mode filters
15/04/2013	13	Current mode filters (cont.)
16/04/2013	14	Project submission + presentations