3.8.2020

1

APRIL

Friday 4

WK 14 • 094-271

MAY 2014

M	T	W	T	F	S	S
5	6	7	1	2	3	4
12	13	14	8	9	10	11
19	20	21	15	16	17	18
26	27	28	22	23	24	25
			29	30	31	

ECE 467 CMOS RADIO FREQUENCY INTEGRATED CIRCUIT DESIGN

TAUGHT BY

- prof. syed azeemuddin

COURSE TOPICS

- introduction to RF and wireless technology
- basic concepts in RF design
- passive RFIC components
- review of MOS device physics
- RLC networks
- transmission lines concept
- smith chart & S-parameters
- bandwidth estimation techniques
- biasing circuits
- noise

2014

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APRIL

5 Saturday
095-270 • WK 14

- high-frequency amplifier design techniques.
- CMOS low noise amplifiers (LNA)
- an overview of wireless transciever architectures.

TEXT BOOKS

1. the design of CMOS radio-frequency integrated circuits (2004).
2. RF microelectronics (1998).

6 Sunday

2014