

ESEE 610 Fall 2014
Topics for the final exam.

1. PR properties
2. Use and meaning of Even part
3. Properties and synthesis of lossless circuits
4. Use of Richards' function in PR synthesis
5. Gyrator and OTA (=operational transconductance amplifier) descriptions, properties
6. Oriented graphs, cut-sets and tie-sets
7. $Y(s)$ matrices and $y(s)$ scalars
8. V_o/V_i & V_o/I_{in} transfer functions; Poles and zeroes