

ENEE 610 Fall 2012  
Topics for the final exam.

1. PR properties
2. Use and meaning of Even part
3. Cauer synthesis of RC and LC circuits
4. Use of Richards' function in PR synthesis
5. Gyrator and transformer descriptions and relations
6. Oriented graphs, cut-sets and tie-sets
7. 2-port  $Y(s)$  matrices
8.  $V_o/V_i$  &  $V_o/I_{in}$  transfer functions; Poles and zeroes of.