EE394J-2 Power System Engineering II, Spring 2012, MWF 9-10, ENS145, Unique Number 17015

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Web site for course linked to www.ece.utexas.edu/~grady under “Course Materials,” specifically
http://users.ece.utexas.edu/~grady/EE394J_2_Spring12.html
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Text References:

Grading: Four 50-minute tests = 60%. Weekly homework = 20%. Final exam (comprehensive) = 20%. One sheet of notes permitted for the tests and final exam.

Topics and Schedule
Week of Topics
1. Jan. 16 Power definitions, Three-phase circuits,
2. Jan. 23 Transformers, capacitors, generators
3. Jan. 30 Transmission lines, per unit system
4. Feb. 6 Symmetrical components. Test 1 on Friday, Feb. 10.
5. Feb. 13 Short circuit analysis.
6. Feb. 20 Loadflow
7. Feb. 27 Stability
9. Mar. 12 Spring Break
10. Mar. 19 System protection
12. Apr. 2 Switching transients. Test 3 on Friday, 6
13. Apr. 9 Switching transients, cont.
14. Apr. 16 Traveling waves
15. Apr. 23 Lightning and grounding

All UT policies regarding drop dates, students with disabilities, and final exam schedules will be followed.