

**Internet-based Short Course on your own PC**  
**Teaching of Power Systems to Undergraduates**

**By Prof. Ned Mohan, University of Minnesota**

**Monday July 18, 2005 to Friday July 22, 2005**

(8:30-10:30AM in Minneapolis)

[Room EE/CSci 3-125](#)

**Sponsored by: National Science Foundation and the IEEE PES – Twin Cities section**

This course is structured in five parts on successive days:

1. Overview of Power Systems and the Changing Landscape; Sources of Energy and their Environmental Consequences
2. Review of Electric and Magnetic Circuit Concepts related to Power Systems; Transformers and Synchronous Generators
3. Transmission Lines and Cables including HVDC; Distribution Systems, Loads and Power Quality
4. Power Flow on Networks; Rotor-Angle and Voltage Stability; Control of Interconnected Power Systems and Economic Dispatch
5. Transmission Line Faults, Relaying and Circuit Breakers; Transient Over-Voltages and Insulation Coordination; and Energy Markets/Open-Competition (that I know very little about)

To register in this course is completely **FREE-OF-CHARGE** but the registration is required by June 30, 2005. Please note the following internet-related information:

1. The time for this course is 8:30-10:30AM in Minneapolis. To check the time difference, please go to <http://www.timeanddate.com/worldclock> or a similar website.
2. Our website is [www.ece.umn.edu/groups/power](http://www.ece.umn.edu/groups/power) on which, click on this short course.
3. Click on Information for Internet Based Registrants and then check the System Requirements and Test Streaming Viewer.
4. To view the Short Course, click on Power Systems. Type your e-mail address and the password which will be supplied upon registration by sending an e-mail at the address listed below. The deadline for registration is **June 30, 2005**.

For additional information, contact:

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