Topics for Today:

- Introductions - about 30 enrolled, an all-time high
  - ~12 students on campus
  - ~17 online students
- Startup
  - Web page: http://www.ee.mtu.edu/faculty/bamork/ee5200/
  - Book, references, syllabus, more are on web page.
  - Software - Matlab, ASPEN, ATP/EMTP
  - EE5200-L@mtu.edu (participation "strongly" encouraged)
- Lectures - new livestreams, archived videos also
- Daily lecture notes scanned and .pdf file archived
- Exercises posted as pdf on web page.
- Grading: grad students must achieve B (80%) or higher;
  Certificate students must achieve C (70%) or higher.
• REVIEW, remedial: - Circuit Analysis Basics (Archive Lect. #1)
  • Do all exercises in Ch.1 (solutions are posted)
  • Active vs. passive sign convention
  • Dual-subscript notation, single-subscript (implied reference)
  • Closure of subscripts in mesh equation
  • Euler's Identity - basis for phasor analysis! See handout.
  • Drawing phasor diagrams, arrowheads
  • Three-phase, "open" vs. "closed" voltage phasor diagrams
  • Errata in text book - Figs. 1.16, 1.17.

• Study Chapters 1 and 2, view archive lectures 1-4
• No class on Friday (K-Day recess in afternoon)
• Classes resume on Monday.
• Note - I will be away for research/conferences on
  • Sep 14th
  • Sept 24th, 26th, and 28th - Research Travel
  • Nov 5th and 7th - Minnesota Power Systems Conference
• Need schedules of on-campus students to set weekly timeslot
  for videotaping make-up lectures.
On-Campus
Theory, Math

On-line
Practice

Faculty

Use the e-mail Forum
EE5200-L@mtu.edu!
EES5200

- Review Notations
- Technical English
- Adjust to Grad School
- Software
- Spreadsheets
- Mathlab
- Aspen - LF, Sc, Relay
- ATP/EMSP WebCT
Graduate School

- Class size, proactive, anticipate.
- Size of exercises, scope, lead time.
- Concept-based approaches.
- Creative thought process.
- Communications.
  - E-mail
  - Spoken/ informal/ phone
  - Presentations/ "ppt."
  - Written reports.
- Research & Development (& Design)
  - "Scientific Method", conceptually sound.