

- TEXT:** *Electrical Transients in Power Systems*, A. Greenwood, 2nd. Ed., © 1991.
- COURSE URL:** <http://www.ece.mtu.edu/faculty/bamork/ee5220/>
- REFERENCES:** Useful references, in addition to the course text, are listed on the course web page.
- READING:** The course web page provides approximate schedule of topic coverage and chapters in text book. Text and other related material provided by your instructor are to be perused prior to lecture.
- HOMEWORK:** Homework problems (computer applications and MatLab programming tasks may be integrated). Use homework submission coversheet. Depending on scope and nature of each assignment, you will sometimes work by yourself, or with a partner, or in a group. You are encouraged to share concepts and ideas via our e-mail discussion forum, but may not copy each other's homework or programs.
- TESTS:** One midterm (or set of excises which count as midterm) shall be given. Format is normally take-home, with 24-48 hrs to complete. There is no final exam. A term project will be completed by end of Week 14, with a formal presentation given during final exam timeslot.
- INTEGRITY:** The university's policy on Academic Integrity (informally known as the “cheating policy”) shall be strictly enforced: <http://www.admin.mtu.edu/usenate/policies/p109-1.htm>
- ABSENCES:** Students are expected complete all tests during the scheduled timeframe. Excused absences must be arranged in advance. Absence due to serious illness or accident is of course allowed, contact your instructor as soon as you are well enough to plan make-up work. Absences due to job interviews or personal travel plans are unfortunately not considered excused by MTU policy. [Remote students may have immovable work conflicts, which can usually be accommodated if worked out in advance.]
- HELP FROM INSTRUCTOR:** Questions are encouraged in class, as time permits. Your instructor is available for help during designated office hours in his office in EERC 614. Individual or group help sessions can be prearranged for local students. All are encouraged to participate in our community forum at [ee5220-1@mtu.edu](mailto:ee5220-1@mtu.edu) . Please make an effort at solving the problem before asking for help, and be prepared and organized when presenting your problem. This allows your instructor to help as many students as possible during the available office hours.
- GRADING:** Final averages will be based on the following distribution:
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|-----------------------------|---------------------------------------|
| Midterm Exam (1):           | 30%                                   |
| Participation, other:       | 5%                                    |
| Homework, Software Aps:     | 30%                                   |
| Term Project, Presentation: | 35% (includes journal paper analysis) |
- Worst case cutoffs are: A = 90; AB = 85; B = 80; BC = 75; C = 70; F below 70. Students who complete the work at a high standard and on time are generally assured of an A or B grade. Low standard or incomplete or late work can result in a C or lower grade. Grades to date will be periodically made known to the students – generally these are updated following each test. Please verify that your grades have been correctly entered.
- Note that participation and other qualitative aspects are weighted 5%. Factors include: contribution to classroom participation and/or discussions in e-mail forum, attendance, anticipation and proactivity, submitting work on time, quality and legibility of submitted work, and other issues of professional merit. Factors of merit are also considered if your final average falls at or just below a grade cutoff.
- Int Property:** All course notes, simulation files, and any materials not outhewise identified are the intellectual property of the course instructor or MTU. Materials are for your use as a student in this course. Uploading to websites or otherwise using or sharing outside of this course are not allowed and may fall under the academic integrity policy or incur other penalties.