

TEXT: Electrical Energy - An Introduction, 1st Ed; M.A. El-Sharkowi, © 2005.

REFERENCES: Electric Machinery Fundamentals, 2nd Ed; S.J. Chapman, © 1991.
Electromagnetic and Electromechanical Machines, 3rd Ed; Match & Morgan, 1986.
Electric Motor Drives; Ned Mohan; .

READING The reading assignments are to be read **before** coming to the related lecture period.

HOMEWORK: Homework will be assigned approximately daily. Completion dates will be stated. Homework sets will not typically be collected. Approximately once each week, a quiz covering completed homework may be given, or a randomly-chosen homework problem may be collected.

The best approach is to **focus on concepts** (as opposed to rote memory or procedures). Develop good engineering habits – use 8½ x 11 engineering grid paper (not notebook paper), show all work, illustrate by schematic or a diagram, give equations before substitution, show all units and underline or circle all answers. **Neatness and clarity of solution is important.**

You are encouraged to work in pairs (no more than 2 per homework group). A signup sheet for those looking for homework partners will be posted in the learning center. Give your name, e-mail address, phone number, and times that you are available. Cross your name off the list after you've gotten a partner. Sit with your homework partner at lectures.

TESTS: There will be three hour tests and a final exam. Tests are closed book and closed notes, but **one** 8½ x 11 hand-written formula sheet will be allowed. **Cheating will not be tolerated.** The university's policy on Academic Integrity (informally known as the "cheating policy") shall be strictly enforced.
<http://www.sas.it.mtu.edu/usenate/propose/02/18-02.htm>

ABSENCES: Students are to be present for all tests and for the final exam. Arrangement for makeup of tests or the final exam is possible only in extremely exceptional circumstances. It is the **student's** responsibility to contact the instructor, explain the circumstances, and arrange for makeup **in advance** if at all possible.

HELP FROM Questions are encouraged in class at any time. Your instructor is available for help during

INSTRUCTOR: designated office hours or other hours by appointment. Students are encouraged to e-mail course- or career-related questions, discussion, etc. to ee3120-L@mtu.edu . The course web page is at: <http://www.ee.mtu.edu/faculty/bamork/ee3120/index.htm>

GRADING: Final averages will be based on the following distribution:

Pre-Req Test	5%
Hour Exams (2)	40%
Homework/Quizzes	15%
Term Project:	10%
Final Exam:	30%

Worst-case letter grade cutoffs are:

A - 92; AB - 86; B - 81; BC - 76; C - 71; CD - 66; D - 61; F - below 61.

Grades and class statistics (usually updated after each test) will be posted on the course web page. In order to guarantee yourself of the grade you want, keep your average above the listed cutoffs. Grade cutoffs may be adjusted downward on an individual basis, depending on participation in class and in e-mail forum, on-time work, attendance, quality of work submitted, and other professional merit issues.